WEATHER MAPS,

PUBLISHED AT SYDNEY,

NEW SOUTH WALES,

1884.

H. C. RUSSELL, B.A.,

GOVERNMENT ASTRONOMER.

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WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JAN. 1 1883.

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ..... 50·646.
Average for 25 years from Jan. 1st to November 30 51·342.
Total Rainfall from Jan. 1st to January 1 46·940.
Barometers corrected to 32° Fah. and Mean Sea Level.

STATIONS.	wt	M'x	m'n	R'in
Casino ..	b	99	56	0
Tent'rfield	.	—	—	—
Clarence .	b	87	34	0
Moree ..	.	—	—	—
Grafton ..	b	97	65	0
Gl n Inn's	b	96	60	0
Inverell.	.	—	—	—
Bourke	b	109	82	0
Narrabri .	.	—	—	—
Armidale.	.	—	—	—
Bendem'r	.	—	—	—
Gunned'h	.	—	—	—
C'n'mble	b	108	75	0
Kempsey	.	—	—	—
Walcha..	b	95	53	0
Tamw'rth	.	—	—	—
Coonab'n.	b	107	61	0
P. M'cqrie	o	79	65	0
W'lcannia	.	—	—	—
Murr'ndi.	.	—	—	—
Taree..	b	93	79	0
Cassilis	b	98	74	0
Muss'br'k	g	104	67	0
Dubbo .	b	108	74	0
Menindie.	o	106	62	0
Singleton	.	—	—	—
Nels'n's B	g	83	67	0
28 70 Mudg	.	—	—	—
Maitland.	o	93	68	0
Hill End.	b	—	—	0
N'wcastle	g	78	66	0·01
Orange ..	o	94	59	0
Bathurst	b	90	58	0
Forbes ..	b	102	59	0
M. Vict'ria	g	90	65	0
Carcoar .	b	90	59	0
Cond'b'lin	.	—	—	—
Marsdens	o	1[illegible]	0	0
Picton ..	o	85	65	0
Sydney .	g	77	66	0
Wentw'th	.	—	—	—
Young .	b	102	60	0
Woll'g'ng	c	80	52	0
Taralga..	g	93	—	0
Hay	.	—	—	—
M'ss V'll	g	89	—	0
Euston	b	96	59	0
G'lburn	b	—	—	0
Wagga.	b	—	52	0
C Geo	g	76	57	0

Stations.	WT	M.X	MIN	R'in
Queanbe'an	b	90	59	0
Deniliquin.	b	96	57	0
Moruya	.	—	—	—
Kiandra..	b	89	30	0
Albury	b	96	56	0
Bodalla..	.	—	—	—
Cooma	o	94	32	0
Eden	o	72	62	0

13 30·13 R 94

Curve showing state of Barometer.

Ft Ay Ea CB A Re P M WP Go E Ma CG Ws S N PM C B R CT

30·4 30·2 30·0 29·8 29·6

Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W
If it is CALM, the symbol is used without the arrow
sea smooth. heavy, very heavy.

TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

0 29·96 F 95

0 30·21 F 70

0 29·86 F 72

Barometers fallen about 0·05 on E. coast. For notes to 3 p.m. see under shipping news.

H.C. RUSSELL
GOVERNMENT ASTRONOMER

QC
992
.N49
W43
1884

WEATHER MAP.

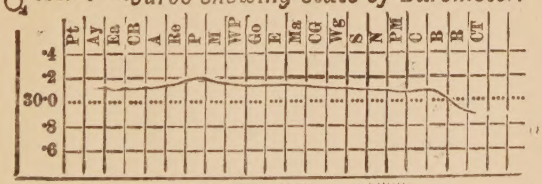
From TELEGRAMS for 9 A.M. & 3 P.M. JAN. 2 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 25 years ..... 50·491.
Average for 26 years from Jan. 1st to December 31 50·491.
Total Rainfall from Jan. 1st to January 2 0.003.
Barometers corrected to 32° Fah. and Mean Sea Level.

34 30·10 R 95 *Curve showing state of Barometer.*



Fine, wind N. Cloudy, wind E. T.Storm, wind S. Raining wind W
If it is CALM, the symbol is used without the arrow
sea smooth, heavy, very heavy.

14 29·95 F90

28 30·24 — 6

0 70 A 30·17 F 65 D

0 0 64

14 29·88 R 70

23 — 59 Ro

18 — 61 P

M

CG

Ma 14 — 64

E 14 — 65

CO

Go

WP 23 — 58

Wg 42 — 64

S 8 — 66

N 3 — 66

PM 28 — 70

C 14 — 79

B 3 — 30

R — 75

TIME BALL
Drops at 1 p.m. S.M.T. or 2h.55m.9·19s. a.m. Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

W — E

S

Barometers fallen about 0·05 on S. coast. For otes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

STATIONS.	wt	M'x	Mn	R'in
Casino ..	b	98	57	0
Tent'rfield	b	97	60	0
Clarence .	c	86	45	0
Moree ..	b	97	72	0
Grafton ..	b	95	64	0
Gl n Inn's	g	99	61	0
Inverell.	b	95	66	0
Bourke	b	114	77	0
Narrabri .	b	105	69	0
Armidale.	b	91	—	0
Bendem'r	o	97	63	0
Gunned'h	b	104	75	0
C'n'mble	b	108	72	0
Kempsey	.	—	—	—
Walcha..	c	90	60	0
Tamw'rth	b	103	—	0
Coonab'n.	o	103	65	0
P. M'cqrie	g	82	67	0
W'lcannia	.	—	—	—
Murr'ndi .	g	93	70	0
Taree..	b	82	68	0
Cassilis	g	93	67	0
Muss'br'k	g	89	63	0
Dubbo .	b	102	74	0
Menindie.	o	94	68	0
Singleton	b	—	—	—
Nels'n's B'	g	79	66	0·03
13 99 Mudg	o	102	62	0
Maitland.	g	83	64	0
Hill End.	b	—	—	0
N'wcastle	g	75	64	0·01
Orange ..	o	89	57	0
Bathurst	b	95	57	0
Forbes ..	b	100	66	0
M. Vict'ria	g	80	53	0·15
Carcoar .	b	86	60	0
Cond'b'lin	.	-	—	—
Marsdens	b	96	72	0
Picton ..	o	84	58	0
Sydney ..	g	71	63	0
Wentw'th	b	90	58	0
Young .	b	99	59	0
Woll'g'ng	c	79	57	0·17
Taralga..	g	89	-	0
Hay	b	88	41	0

Stations.	WT	M.X	Mn	R'in
Queanbe'an	b	97	61	0
Deniliquin.	b	90	50	0
Moruya	b	75	38	0·03
Kiandra..	b	85	37	0
Albury	b	91	56	0
Bodalla..	b	—	52	0
Cooma	c	94	50	0
Eden	b	67	56	0

M'ss V'll'y	8	—	—	0·04
Euston	b	93	45	0
G'lburn	g	93	53	0
Wagga.	b	98	55	0
C Geo'	.	—	—	0

WEATHER MAP.

JAN. 3 1884

From TELEGRAMS for 9 A.M. & 3 P.M.

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years ..... 50·491.
Average for 26 years from Jan. 1st to December 31 50·491.
Total Rainfall from Jan. 1st to January 3 0.093.
Barometers corrected to 32° Fah. and Mean Sea Level.

STATIONS.	wt	M'x	MD	R'in
Casino ..	b	95	62	0
Tent'rfield	b	90	60	0
Clarence .	b	86	66	0
Moree ..	b	101	71	0
Grafton ..	g	87	56	0
Gl n Inn's	b	93	64	0
Inverell..	b	90	63	0
Bourke	b	108	74	0
Narrabri.	b	111	69	0
Armidale.	b	78	—	0
Bendem'r	o	89	60	0
Gunned'h	b	100	68	0
C'n'mble	b	102	69	0
Kempsey	.	—	—	—
Walcha..	b	73	56	0
Tamw'rth	o	94	—	0
Coonab'n.	b	98	54	0
P. M'cqrie	g	71	63	0·03
W'lcannia	.	—	—	—
Murr'ndi.	b	81	61	0
Taree..	b	75	64	0
Cassilis	b	72	63	0
Muss'br'k	b	80	58	0
Dubbo .	b	90	65	0
Menindie.	o	90	68	0
Singleton	b	77	60	0
Nels'n's B.	b	82	64	0
8 70 Mudg	o	87	54	0
Maitland.	b	84	60	0
Hill End.	o	—	—	0
N'wcastle	b	73	65	0
Orange ..	.	—	—	—
Bathurst	b	81	50	0
Forbes ..	b	87	62	0
M. Vict'ria	g	59	51	0
Carcoar .	g	78	55	0
Cond'b'lin	.	—	—	—
Marsdens	b	94	70	0
Picton ..	o	67	56	0
Sydney ..	g	68	60	0
Wentw'th	b	89	55	0
Young .	b	92	58	0
Woll'g'ng	c	72	45	0
Taralga..	b	60	.	0
Hay	b	92	49	0

Stations.	WT	M.X	MD	R'in
Queanbe'an	b	74	58	0
Deniliquin.	b	92	56	0
Moruya	b	72	55	0
Kiandra..	g	82	32	0
Albury	c	91	51	0
Bodalla..	b	—	45	0
Cooma	c	80	45	0
Eden	.	—	—	—

Curve showing state of Barometer.

Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining wind W

If it is CALM, the symbol is used without the arrow

sea smooth. heavy, very heavy.

Barometers fallen about 0 20 on E. coast. For otes to 3 p.m. see under shipping news.

M'ss V'l	b	—	—	0
Euston	b	91	52	0
G'lburn	b	70	52	0
Wagga.	b	97	60	0
C Geo'	b	73	51	0

H. C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. 1884

Sydney Observatory.

Lat. 33° 51′ 41″ S.; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

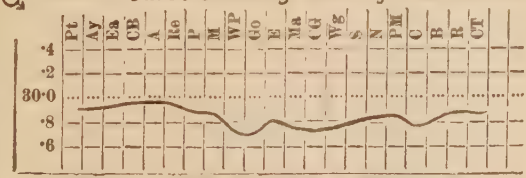
Average Annual Rainfall for 25 years ..... 50·491.
Average for 26 years from Jan. 1st to December 31 50·491.
Total Rainfall from Jan. 1st to January 4 0.003.
Barometers corrected to 32° Fah. and Mean Sea Level.

STATIONS.				
Casino ..	b	102	68	0
Tent'rfield	.	—	—	—
Clarence .	b	84	65	0
Moree ..	b	100	67	0
Grafton ..	b	92	72	0
Gl'n Inn's	b	98	56	0
Inverell..	b	95	67	0
Bourke ..	b	105	72	0
Narrabri.	b	105	60	0
Armidale.	b	86	—	0
Bendem'r	b	92	62	0
Gunned'h	b	100	66	0
C'n'mble	b	100	64	0
Kempsey	.	—	—	—
Walcha..	b	86	43	0
Tamw'rth	b	98	—	0
Coonab'n.	b	97	50	0
P. M'cqrie	b	82	62	0
W'lcannia	.	—	—	—
Murr'ndi.	b	91	61	0
Taree..	b	84	64	0
Cassilis	b	88	73	0
Muss'br'k	b	100	64	0
Dubbo ..	b	92	65	0
Menindie.	b	95	72	0
Singleton	b	92	69	0
Nels'n's B.	b	93	66	0
8 75 Mudg	b	92	49	0
Maitland.	b	92	63	0
Hill End.	b	—	—	0
N'wcastle	b	77	66	0
Orange ..	b	80	53	0
Bathurst	b	86	50	0
Forbes ..	b	85	61	0
M. Vict'ria	b	89	73	0
Carcoar .	b	79	54	0
Cond'b'lin	.	—	—	—
Marsdens	b	93	66	0
Picton ..	b	83	55	0
Sydney ..	b	75	67	0
Wentw'th	b	94	58	0
Young ..	b	93	55	0
Wolf'g'ng	b	80	60	0
Taralga..	b	74	—	0
Hay ..	b	92	49	0

M'ss V'l	b	83	—	0
Euston	b	93	57	0
G'lburn	b	69	50	0
Wagga.	b	95	54	0
C Geo'.	b	74	55	0

Queanbe'an	b	84	56	0
Deniliquin.	b	93	57	0
Moruya ..	b	76	[illegible]	0
Kiandra..	b	83	38	0
Albury ..	b	90	53	0
Bodalla .	b	—	50	0
Cooma ..	b	[illegible]	[illegible]	0
Eden ..	b	75	[illegible]	0

8 30·02 R *Curve showing state of Barometer.*

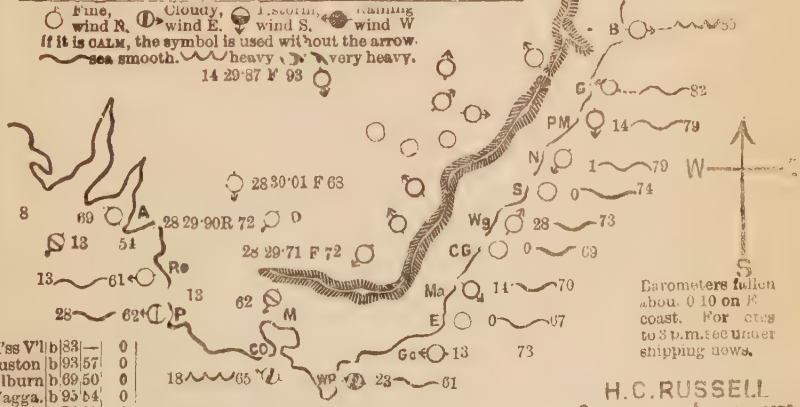


Fine, wind N. Cloudy, wind E. Thunderstorm, wind S. Raining wind W

If it is CALM, the symbol is used without the arrow.

sea smooth. heavy very heavy.

14 29·87 F 93



TIME BALL Drops at 1 p.m., 3 M. S. or 2h 55m. [illegible] Greenwich Mn. Time MAG. VAR. 9°35′30″ E

28 30·01 F 63

28 29·90 R 72

28 29·71 F 72

Barometers fallen about 0 10 on E coast. For [illegible] to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

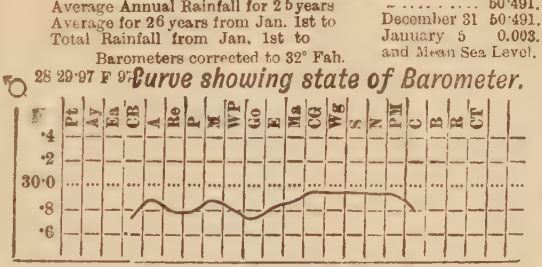
From TELEGRAMS for 9 A.M. & 3 P.M. JAN. 5 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 25 years ..... 50·491.
Average for 26 years from Jan. 1st to December 31 50·491.
Total Rainfall from Jan. 1st to January 5 0.003.
Barometers corrected to 32° Fah. and Mean Sea Level.

28 29·97 F 97 *Curve showing state of Barometer.*



Fine, wind N. Cloudy, wind E. Stormy, wind S. Raining, wind W
If it is CALM, the symbol is used without the arrow
sea smooth. heavy, very heavy.

14 29·84 F 94

TIME BALL
Drops at 1 p.m. SMT
or 2h.55m.9·1s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers risen about 0·10 on E. coast. For otes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

STATIONS.	WT	M'x	m'n	R'fall
Casino ..	b	109	59	0
Tent'rfield	.	—	—	—
Clarence .	b	99	59	0
Moree ..	b	104	68	0
Grafton ..	b	106	69	0
Glen Inn's	b	99	59	0
Inverell.	b	96	67	0
Bourke	b	109	76	0
Narrabri .	b	109	69	0
Armidale.	b	89	—	0
Bendem'r	o	94	64	0
Gunned'h	b	100	57	0
C'n'mble	b	103	70	0
Kempsey	.	—	—	—
Walcha..	b	89	43	0
Tamw'rth	o	102	—	0
Coonab'n.	b	98	51	0
P. M'equrie	b	80	60	0
W'lcannia	.	—	—	—
Murr'ndi.	b	95	64	0
Taree..	b	93	60	0
Cassilis	b	99	64	0
Muss'br'k	o	104	64	0
Dubbo .	b	96	59	0
Menindie.	o	95	71	0
Singleton	o	99	70	0
Nels'n's B.	c	82	65	0
Mudg	o	97	53	0
Maitland.	g	97	69	0
Hill End.	o	—	—	0
N'wcastle	b	77	67	0
Orange ..	b	85	51	0
Bathurst	b	91	51	0
Forbes ..	b	96	59	0
M. Vict'ria	b	92	70	0
Carcoar .	b	84	54	0
Cond'b'lin	.	—	—	—
Marsdens	o	91	70	0
Picton ..	c	84	66	0
Sydney ..	c	79	67	0
Wentw'th	b	93	4	0
Young .	b	97	58	0
Woll'g'ng	c	81	63	0
Taralga..	b	89	—	0
Hay	b	90	48	0

Stations.	WT	M,x	m'n	R'fall
Queanbe'an	b	87	57	0
Deniliquin.	b	95	39	0
Moruya ..	b	75	63	0
Kiandra...	b	83	32	0
Albury	b	90	56	0
Bodalla..	b	—	57	0
Cooma	o	86	46	0
Eden	t	73	58	0
M'ss V'l	b	89	—	0
Euston	b	83	61	0
G'lburn	b	91	52	0
Wagga.	.	—	—	—
C Goo	b	75	69	0

WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JAN. 7 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

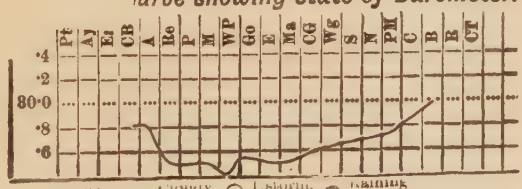
Average Annual Rainfall for 25 years 50·491.
Average for 16 years from Jan. 1st to December 31 50·491.
Total Rainfall from Jan. 1st to January 7 0.094.
Barometers corrected to 32° Fah. and Mean Sea Level.

Stations.	WT.	M.	X	Mn	R. in
Queanbe'an	g	92	64		0
Deniliquin.	b	101	67		0
Moruya ..	b	76	60		0
Kiandra	b	87	41		0
Albury ..	b	93	60		0
Bodalla .	b	—	55		0
Cooma . ..	b	92	53		0
Eden .. .	f	83	61		0

STATION		M.	X	Mn
Cas[illegible]	.	—	—	—
Port'rfield	b	107	63	0
Clarence .	b	89	73	0
Moree	c	111	78	0
Grafton	b	110	72	0
Gl'n Inn's	b	107	58	0
Inverell.	b	97	70	0
Bourke	b	120	88	0
Narrabri.	b	118	57	0
Armidale.	b	96	—	0
Bendem'r	b	102	67	0
Gunned'h	b	110	84	0
C'n'mble	b	118	85	0
Kempsey	.	—	—	—
Walcha..	b	92	66	0
Tamw'rth	b	112	—	0
Coonab'n.	b	110	70	0
P. M'cqrie	b	86	70	0
W'lcannia	.	—	—	—
Murr'ndi.	b	104	83	0
Taree.	b	106	73	0
Cassilis	b	105	84	0
Muss'br'k	b	114	77	0
Dubbo .	b	110	82	0
Menindie.	c	109	80	0
Singleton	b	109	71	0
Nels'n's R.	c	82	69	0
Mudg	b	108	57	0
Maitland.	b	109	66	0
Hill End.	b	—	—	0
N'wcastle	g	93	70	0
Orange ..	g	98	69	0
Bathurst	b	102	56	0
Forbes ..	b	107	77	0
M. Vict'ria	g	93	80	0
Carcoar .	g	92	65	0
Cond'b'lin	.	—	—	—
Marsdens	g	102	80	0
Picton ..	g	86	55	0
Sydney ..	g	89	69	0
Wentw'th	b	102	66	0
Young .	r	103	74	0
Woll'g'ng	b	95	63	0
Taralga..	b	95	—	0
Hay	b	100	59	0

M'ss V'l		97	—	0
Euston	b	—	62	0
G'lburn	b	—	70	0
Wagga.	b	—	63	0
C Geo'	b	—	56	0

Curve showing state of Barometer.

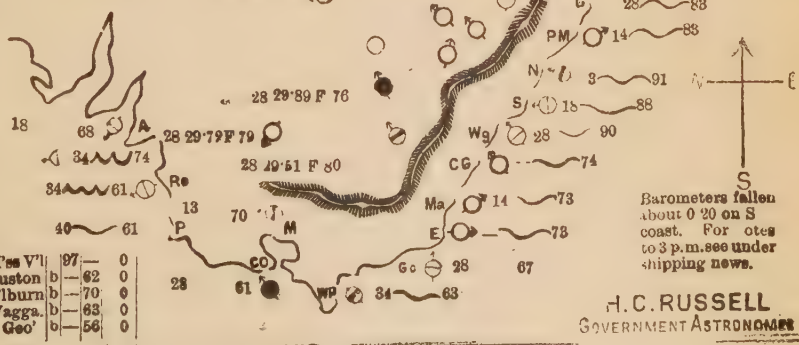


Time. wind N Cloudy, wind E T.storm, wind S. Raining wind W

If the CALM, the symbol is used without the arrow

sea smooth heavy very heavy

14 29·74 F 94



Barometers fallen about 0·20 on S coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JAN. 8 1884

Sydney Observatory.

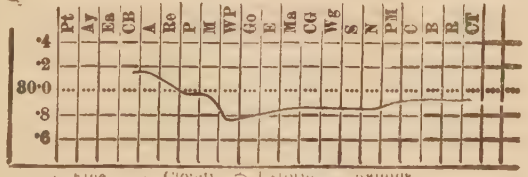
Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 25 years 50·491.
Average for 26 years from Jan. 1st to December 31 50·491.
Total Rainfall from Jan. 1st to January 8 0.004.

Barometers corrected to 32° Fah.

8 30·11 R 93

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. Stormy, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
Sea smooth. Very heavy.

STATIONS.	wt	M'x	Vt	R'fall
Casino ..	b	111	67	0
Fent'rfield	b	104	60	0
Clarence .	c	89	72	0
Moree ..	c	106	80	0
Grafton ..	b	114	75	0
Gl'n Inn's	b	100	65	0
Inverell .	b	97	68	0·02
Bourke ..	b	109	82	0
Narrabri .	b	113	65	0
Armidale.	b	94	—	0
Beudem'r	o	100	68	0
Gunned'h	c	108	84	0
C'n'mble	b	111	77	0
Kempsey .	.	-	—	—
Walcha..	b	93	65	0
Tamw'rth	o	108	—	0
Coonab'n.	b	103	68	0
P. M'cqrie	.	—	—	—
W'loannia	.	-	—	
Murr'ndi.	b	103	77	0
Taree.	b	—	—	0
Cassilis	b	102	81	0
Muss'br'k	o	112	80	0
Dubbo .	o	99	84	0
Menindie.	b	101	66	0
Singleton	o	105	72	0
Nels'n's B'	g	77	69	0
Mudg	o	99	69	0
Maitland.	o	106	74	0
Hill End.	b	—	—	0
N'wcastle	b	101	68	0
Orange ..	b	90	65	0
Bathurst	b	94	—	0
Forbes ..	b	94	65	0
M. Vict'ria	b	91	69	0
Carcoar .	o	84	55	0
Cond'b'lin	.	-	—	—
Marsdens	b	96	70	0
Picton ..	o	95	66	0
Sydney ..	b	100	66	0
Wentw'th	b	91	5	0
Young .	b	91	60	0
Woll'g'ng	b	102	62	0
Taralga..	b	85	-	0
Hay ..	b	93	43	0

Stations.	wt	M'x	Vt	R'fall
Queanbe'an	b	88	64	0
Deniliquin.	b	91	51	0
Moruya . .		—	—	—
Kiandra	b	82	36	0
Albury ..	b	94	59	0
Bodalla . .		—	—	—
Cooma . .	b	89	50	0
Eden . .	b	93	60	0

M'ss V'le — — —
Euston b 92 84 0
G'lburn b 90 59 0
Wagga. b 98 60 0
C Geo . — — —

42 29·93 R 88
42 30·17 R 6[illegible]
42 30·04 R 70
28 [illegible] R 66

Drop and [illegible] S M T
[illegible] Sydney Mean time
Mag. Var. [illegible] E

Barometers risen 0·2 on S
consequently rates
[illegible] m. see under
shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JAN. 9 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years ..... 50·491.
Average for 26 years from Jan. 1st to December 31 50·491.
Total Rainfall from Jan. 1st to January 9 0.004.
Barometers corrected to 32° Fah. and Mean Sea Level.

STATIONS.	wt	M'x	M'n	R'in
Casino ..	.	—	—	—
Tent'rfield	g	95	67	0
Clarence .	c	80	67	0
Moree ..	b	105	69	0
Grafton ..	c	111	70	0
Gl'n Inn's	g	95	78	0
Inverell.	b	97	67	0
Bourke	b	101	70	0
Narrabri.	b	112	70	0
Armidale.	b	91	—	0
Bendem'r	o	69	61	0
Gunned'h	b	105	73	0
C'n'mble	b	91	70	0
Kempsey	.	—	—	—
Walcha..	b	90	56	0
Tamw'rth	o	102	—	0
Coonab'n.	b	97	60	0
P. M'cqrie	c	82	66	0
W'lcannia	.	—	—	—
Murr'ndi.	b	97	66	0
Taree.	.	—	—	0
Cassilis	b	98	44	0
Muss'br'k	b	103	65	0
Dubbo .	b	93	68	0
Menindie.	b	85	66	0
Singleton	b	100	69	0
Nels'n's B'	o	86	67	0
Mudg	o	94	59	0
Maitland.	o	93	67	0
Hill End.	b	—	—	0
N'wcastle	b	79	58	0
Orange ..	b	78	50	0
Bathurst	b	83	49	0
Forbes ..	b	86	54	0
M. Vict'ria	b	88	71	0
Carcoar .	b	82	55	0
Cond'b'lin	.	-	—	—
Marsdens	b	84	63	0
Picton ..	c	88	64	0
Sydney ..	b	79	64	0
Wentw'th	b	58	58	0
Young .	b	88	50	0
Woll'g'ng	b	84	60	0
Taralga..	b	85	-	0
Hay ..	b	81	41	0

Stations.	WT	M'x	M'n	R'in
Queanbeyan	b	81	54	0
Deniliquin.	b	83	56	0
Moruya....	.	—	—	—
Kiandra ..	b	8[illegible]	73	0
Albury ...	b	8[illegible]	[illegible]	0
Bodalla..	b	—	57	0
Cooma	b	7[illegible]	42	0
Eden	b	8[illegible]	57	0

8 30·15 R *Curve showing state of Barometer.*

Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining wind W

If it is CALM, the symbol is used without the arrow.

sea smooth. heavy very heavy.

TIME BALL
Drops at 1 p.m. S M T or 2h.55m.9·19s.a.m. Greenwich Mn Time
MAG. VAR. 9°35′30″ E

Barometers risen about 0·20 on E coast. For notes to 3 p.m. see under shipping news.

M'ss V'l.	b	82	-	0
Euston	b	81	52	0
G'lburn	b	81	46	0
Wagga.	b	98	49	0
C Geo'	b	72	57	0

H. C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JAN. 10 1884

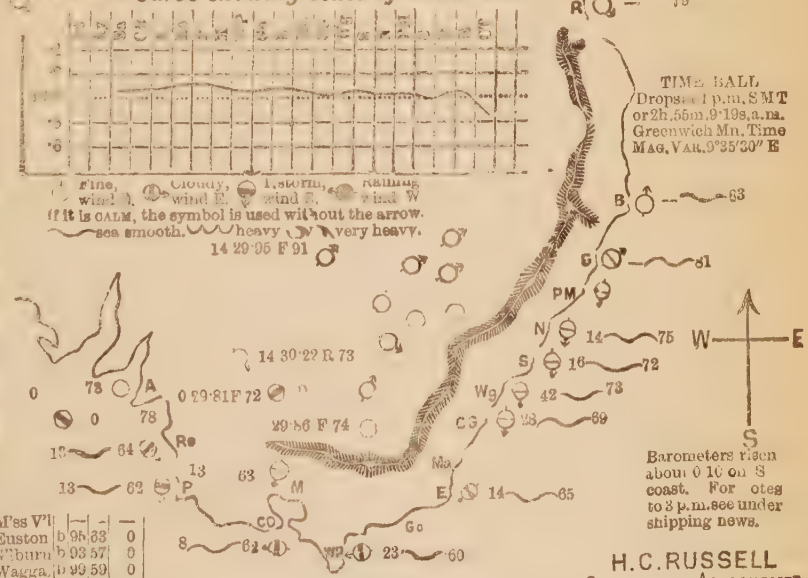
Sydney Observatory.

Lat. 33° 51′ 41″ S. ; *Long* 10*h.* 4*m.* 50·81*s* E

Average Annual Rainfall for 25 years 50·491.
Average for 26 years from Jan. 1st to December 31 50·491.
Total Rainfall from Jan. 1st to Jan. 10 0.004.
Barometers corrected to 32° Fah. and Mean Sea Level.

STATIONS.	wt	M'x	MD	R'in
Casino ..	.	—	—	—
Tent'rfield	.	—	—	—
Clarence .	g	82	73	0
Moree ..	b	103	78	0
Grafton ..	.	—	—	0
Gl'n Inn's	b	[illegible]	51	0
Inverse .	b	[illegible]	79	0
Bourke ..	b	10[illegible]	74	0
Narrabri .	b	[illegible]	[illegible]	0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Bendem'r	[illegible]	[illegible]	[illegible]	[illegible]
Gunned'h	[illegible]	[illegible]	[illegible]	[illegible]
C'n'mble	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Walcha..	b	[illegible]	[illegible]	[illegible]
[illegible]	b	[illegible]	[illegible]	[illegible]
Coonab'n.	[illegible]	[illegible]	[illegible]	[illegible]
P. M'cqrie	[illegible]	8[illegible]	71	0
W'lcannia.	[illegible]	[illegible]	[illegible]	[illegible]
Murr'ndi.	b	[illegible]	[illegible]	0
Tarec	c	[illegible]	[illegible]	0
Cassilis	b	[illegible]	[illegible]	0
Muss'br'k	g	100	[illegible]	0
Dubbo .	b	9[illegible]	[illegible]	0
Menindie.	b	[illegible]	[illegible]	[illegible]
Singleton	b	97	65	0
Nels'n's B	g	81	66	0
13 75 Mudg	b	[illegible]	[illegible]	0
Maitland.	b	95	65	0
Hill End.	b	—	—	0
N'wcastle	g	80	57	0
Orange ..	b	86	52	0
Bathurst	b	94	50	0
Forbes ..	b	9[illegible]	59	0
M. Vict'ria	b	9[illegible]	71	0
Carcoar .	b	84	55	0
Cond'b'lin	.	—	—	—
Marsdens	b	95	67	0
Picton ..	c	84	58	0
Sydney ..	g	80	67	0
Wentw'th	b	95	65	0
Young .	b	96	55	0
Woll'g'ng	b	82	62	0
Taralga..	c	91	—	0
Hay	b	90	51	0

Stations.	WT	M,X	MD	R'in
Queanbe'an	b	87	57	0
Deniliquin.	g	95	62	0
Moruya ..	.	—	—	—
Kiandra ..	b	86	30	0
Albury	b	91	53	0
Bodalla..	.	—	—	—
Cooma	b	90	48	0
Eden	b	76	59	0



M'ss V'l		—	—	—
Euston	b	95	63	0
G'lburn	b	93	57	0
Wagga.	b	99	59	0
C Geo'	b	76	59	0

H. C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JAN. 11 1884

Sydney Observatory.

Lat. 33° 51′ 47″ S.; Long. 10h. 4m. 50·91s. E.

Average Annual Rainfall for 25 years

Average for 26 years from Jan. 1st to

Total Rainfall from Jan. 1st to

Barometers corrected to 32° Fah.

Dew Point 9 A.M. 50·491.

3 P.M. 50·491.

and Mean Sea Level.

8 29·87 at 9 A.M. Curve showing state of Barometer.

Pe Ay Ja C Ad Ba Wi Go E Ma Ca Wa S N PM C B E

·4
·2
30·0
·8
·6

Time.
wind N wind E wind S wind W
If it is A.M. the symbol is used without the arrow
sea smooth heavy
0 29·87 F 91

TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 9·10s. a.m.
Greenwich Mn. Time
MAG. VAR. 9° 35′ 30″ E

Barometers fallen about 0·10 on the coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

STATIONS.	wt	a'x	v	a'in
Casino	b	168	70	0
Tenterfield	g	102	60	0
Clarence	b	84	68	0
Morse	b	167	78	0
Grafton	g	101	80	0
[illegible]	[illegible]	90	78	0
[illegible]	[illegible]	97	70	0
[illegible]	[illegible]	109	[illegible]	0
[illegible]	[illegible]	115	76	0
[illegible]	[illegible]	—	—	—
[illegible]	[illegible]	99	72	0
[illegible]	[illegible]	—	—	—
[illegible]	[illegible]	—	—	—
[illegible]	b	99	[illegible]	0
[illegible]	b	105	72	0
[illegible]	b	105	94	0
[illegible]	b	83	[illegible]	0
[illegible]	[illegible]	—	—	—
[illegible]	[illegible]	91	69	0
[illegible]	[illegible]	[illegible]	[illegible]	0
[illegible]	b	92	72	0
[illegible]	[illegible]	[illegible]	[illegible]	0
[illegible]	[illegible]	[illegible]	[illegible]	0
[illegible]	[illegible]	[illegible]	[illegible]	0
[illegible]	[illegible]	[illegible]	[illegible]	0
[illegible]	[illegible]	[illegible]	[illegible]	0
Wedg	b	101	66	0
Maryland	b	85	69	0
Bird Rock	b	—	—	0
Newcastle	g	82	58	0
Orange	b	—	—	0
Bathurst	b	96	59	0
Forbes	b	101	65	0
Mt. Victoria		—	—	—
Carcoar		—	—	—
Goulburn		—	—	—
Marsdens		—	—	—
Picton	g	77	67	0
Sydney	c	78	69	0
Westw'th	b	99	76	0
Young	b	100	63	0
Wollong	p	79	63	0·15
Taralga	b	91	—	0
Hay	b	96	53	0
M'ss V'l		—	—	—
Euston	b	—	67	0
G'lburn	b	95	70	0
Wagga	b	99	63	0
C Geo'	c	74	59	0·03

Stations.	wt	a'x	v	a'in
Queanbe'an	b	89	64	0
Deniliquin	b	100	66	0
Moruya	b	76	60	0
Kiandra	b	[illegible]	[illegible]	[illegible]
Albury	b	93	55	[illegible]
Bodalla	[illegible]	[illegible]	[illegible]	[illegible]
Cooma	g	[illegible]	[illegible]	[illegible]
Eden	b	68	60	0

WEATHER MAP.

JAN. 12 1884

From Telegrams for 9 A.M. & 3 P.M.

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 25 years .... 50·491.
Average for 26 years from Jan. 1st to December 31 50·491.
Total Rainfall from Jan. 1st to January 12 0.004.
Barometers corrected to 32° Fah. and Mean Sea Level.

8 29·94 8 100 *Curve showing state of Barometer.*

Stations.	wt	M'x	Mn	R'fn
Queanbe'an	g	96	60	0
Deniliquin.	b	101	64	0
Moruya	b	88	64	0
Kiandra..	b	88	40	0
Albury	b	100	69	0
Bodalla..	g	--	60	0
Cooma	b	90	51	0
Eden	.	—	—	—

Stations.	wt	M'x	Mn	R'fn
Casino ..	.	—	—	—
Tent'rfield	.	—	—	—
Clarence ..	.	—	—	—
Moree ..	b	103	77	0
Grafton ..	.	—	—	—
Gl'n Inn's	b	94	63	0·66
Inverell.	b	97	67	0
Bourke	b	112	80	0
Narrabri.	b	111	05	0
Armidale.	o	88	—	0
Bendem'r	b	98	63	0
Gunned'h	b	104	75	0
C'n'mble	b	107	72	0
Kempsey	.	—	—	—
Walcha..	b	86	52	0
Tamw'rth	o	100	68	0
Coonab'n.	b	103	60	0
P. M'cqrie	b	85	67	0
W'lcannia	.	—	—	—
Murr'ndi.	b	91	74	0
Taree.	b	87	67	0
Cassilis	g	92	75	0
Muss'br'k	b	98	71	0
Dubbo ..	b	99	72	0
Menindie.	o	103	78	0
Singleton	g	80	74	0
Nels'n's B.	b	82	69	0
Mudg	o	99	65	0
Maitland.	g	86	71	0
Hill End.	.	—	—	—
N'wcastle	b	79	61	0
Orange ..	o	89	61	0
Bathurst	b	90	64	0
Forbes ..	b	100	65	0
M. Vict'ria	b	88	70	0
Carcoar ..	b	85	68	0
Cond'b'lin	.	—	—	—
Marsdens	b	99	75	0
Picton ..	g	86	66	0
Sydney ..	c	77	69	0
Wentw'th	b	106	72	0
Young ..	b	99	65	0
Wolt'g'ng	p	79	65	0·05
Tarulga..	b	87	—	0
Hay	b	97	62	0
M'ss V'l	g	84	—	0
Euston	b	—	56	0
G'lburn	g	97	61	0
Wagga.	b	—	64	0
C Geo'	g	76	60	0

TIME BALL
Drops at 1 p.m. S M T
or 2h.55m.9·19s.a.m.
Greenwich Mn. Time
Mag. Var. 9°35′30″ E

Barometers risen about 0·06 on S coast. For otes to 3 p.m. see under shipping news.

H. C. RUSSELL
Government Astronomer

WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JAN. 14 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

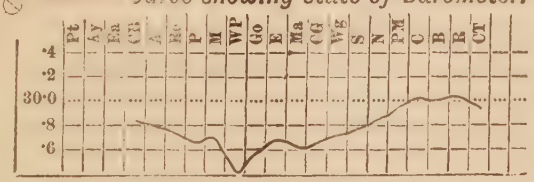
Average Annual Rainfall for 25 years ... = 50·491.
Average for 26 years from Jan. 1st to December 31 50·491.
Total Rainfall from Jan. 1st to January 14 0.143.

Barometers corrected to 32° Fah and Mean Sea Level.

STATIONS.	wt	M'x	m'n	R'in
Casino ..	b	90	62	0·02
Cent'rfield	b	94	57	0·32
Clarence .	b	86	66	0·06
Moree ..	b	103	73	0
Grafton ..	b	89	57	0
Gl'n Inn's	b	91	67	0
Gov'rell	b	98	63	0
Bourke	b	104	78	0
Narrabri .	b	110	72	0
Armidale.	o	88	—	0·17
Bendem'r	b	87	58	0
Gunned'h	b	92	75	0
C'n'mble	o	105	80	0
Kempsey	.	—	—	..
Walcha..	b	81	49	0
Tamw'rth	o	93	66	0
Coonab'n.	b	97	61	0
P. M'cqrie	b	82	57	0
Wilcannia	.	—	—	—
Murr'ndi .	b	80	70	0
Taree.	.	—	—	—
Cassilis	b	97	77	0
Muss'br'k	b	93	64	0
Dubbo .	o	98	72	0
Menindie.	b	109	82	0
Singleton	b	87	56	0
Nels'n's B	b	88	59	0
Mudg	o	97	79	0
Maitland.	b	88	65	0
Hill End.	.	—	—	—
N'wcastle	b	81	55	0
Orange ..	o	87	59	0
Bathurst	b	92	59	0
Forbes ..	b	100	64	0
M. Vict'ria	b	80	76	0·15
Carcoar .	b	88	67	0
Cond'b'lin	.	—	—	—
Marsdens	b	100	60	0
Picton ..	b	82	58	0
Sydney ..	b	79	66	0·14
Wentw'th	b	111	83	0
Young .	b	97	63	0
Woll'g'ng	b	83	63	0
Taralga..	b	82	—	0
Hay	b	107	55	0
M'ss V'l	b	81	—	0
Euston	b	—	82	0
G'lburn	b	93	57	0
Wagga.	b	—	66	0
C Geo'	.	—	—	0

Stations.	WT	M,X	m'n	R'in
Queanbe'an	b	83	75	1·36
Deniliquin.	b	105	62	0
Moruya ..	b	74	64	0
Kiandra ..	b	88	43	0
Albury ..	b	99	66	0
Bodalla ..	b	—	59	0·05
Cooma ..	c	91	60	0
Eden ..	b	76	65	—

Curve showing state of Barometer.



Barometers fallen about 0·15 on S coast. For otes to 3 p.m. see under shipping news.

H. C. RUSSELL,
GOVERNMENT ASTRONOMER.

WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. JAN. 15 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years ... 50·491.
Average for 26 years from Jan. 1st to December 31 50·491.
Total Rainfall from Jan. 1st to January 15 0.143.
Barometers corrected to 32° Fah and Mean Sea Level.

8 29·93 R 96 *Curve showing state of Barometer.*

Fine, wind N Cloudy, wind E Thunderstorm, wind S. Raining wind W

If it is CALM, the symbol is used without the arrow

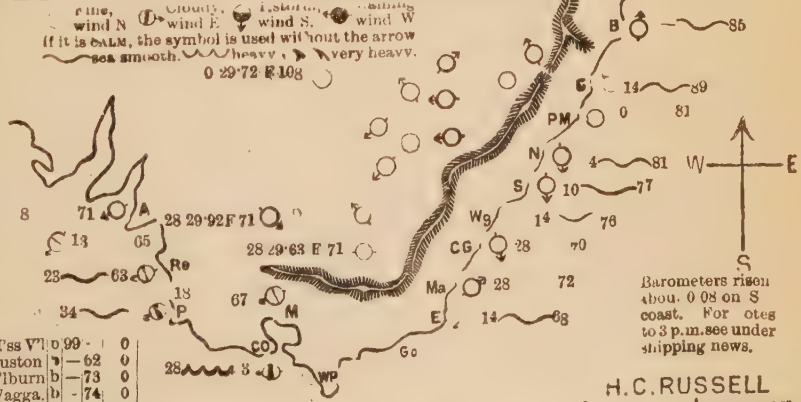
sea smooth. heavy, very heavy.

0 29·72 F 108

Stations.	wt	M.x	Mn	R'in
Casino ..	b	103	71	0
Tent'rfield	b	97	60	0
Clarence .	b	89	66	0
Moree ..	b	102	76	0
Grafton .	b	101	65	0
Gl'n Inn's	b	92	61	0
Inverell.	b	98	70	0
Bourke	b	115	86	0
Narrabri .	b	108	80	0
Armidale.	b	87	—	0
Bendem'r	b	96	69	0
Gunned'h	b	103	78	0
C'n'mble	b	108	78	0
Kempsey	.	—	—	—
Walcha..	b	90	65	0
Tamw'rth	b	99	65	0
Coonab'n.	b	101	6	0
P. M'cqrie	b	83	69	0
W'lcannia	.	—	—	
Murr'ndi.	b	95	75	0
Taree..	b	97	71	0
Cassilis	b	97	80	0
Muss'br'k	b	108	78	0
Dubbo .	b	102	79	0
Menindie.	b	116	78	0
Singleton	b	100	86	0
Nels'n's B'	b	90	65	0
8 66 Mudg	b	102	67	0
Maitland.	b	103	78	0
Hill End.	.	—	—	—
N'wcastle	b	103	61	0
Orange ..	b	98	68	0
Bathurst	b	101	75	0
Forbes ..	b	107	78	0
M Vict'ria	b	91	34	0
Carcoar .	b	89	70	0
Cond'b'lin	.	-	—	—
Marsdens	b	108	78	0
Picton ..	b	99	60	0
Sydney ..	b	101	70	0
Wentw'th	.	—	—	0
Young .	b	104	79	0
Woll'g'ng	b	95	65	0
Taralga..	b	98	—	0
Hay	b	113	59	0

Stations.	WT	M.X	Mn	R'in
Queanbe'an	b	95	74	0
Deniliquin.	b	115	58	0
Moruya ..	b	104	68	0
Kiandra..	b	91	55	0
Albury ...	b	109	65	0
Bodalla..	b	--	64	0
Cooma	b	95	62	0
Eden . ..	b	92	62	0

M'ss V'l	b	99	-	0
Euston	b	—	62	0
G'lburn	b	—	73	0
Wagga.	b	-	74	0
C Geo'	b	93	56	0



TIME BALL
Drops at 1 p.m. S M T
or 2h.55m.9·19s,a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers risen about 0 08 on S coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JAN. 17 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s. E.*

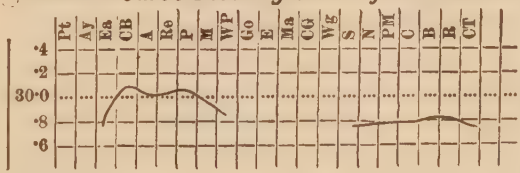
Average Annual Rainfall for 25 years .... 50·491.
Average for 26 years from Jan. 1st to December 31 50·491.
Total Rainfall from Jan. 1st to January 17 0.255.
Barometers corrected to 32° Fah and Mean Sea Level.

0 29·86 R 89

STATIONS.	wt	M'x	Mn	R'in
Casino ..	g	105	70	0
Tent'rfield	g	105	65	0
Clarence .	d	78	71	0
Moree ..	g	117	89	0
Grafton ..	g	101	64	0
Gl n Inn's	g	103	60	0
Inverell.	b	103	71	0
Bourke	b	114	85	0
Narrabri .	b	119	65	0
Armidale.	g	99	—	0
Bendem'r	g	105	75	0
Gunned'h	g	114	79	0
C'n'mble	c	112	80	0
Kempsey	.	—	—	..
Walcha..	g	99	61	0
Tamw'rth	c	110	75	0
Coonab'n.	c	110	69	0
P. M'cqrie	.	—	—	—
W'lcannia	.	—	—	
Murr'ndi .	b	102	73	0
Taree.	.	.	—	—
Cassilis	b	103	75	0
Muss'br'k	b	110	67	0
Dubbo .	b	103	74	0
Menindie.	g	94	71	0
Singleton	b	82	70	0
Nels'n's B'	g	82	69	0
28 69 Mudg	b	107	62	0
Maitland.	g	93	70	0
Hill End.	.	—	—	—
N'wcastle	g	77	68	0
Orange ..	b	90	59	0
Bathurst	b	99	60	0
Forbes ..	b	96	[illegible]	0
M. Vict'ria	'	—	—	—
Carcoar .	b	87	67	0
Cond'b'lin	.	.	—	—
Marsdens	c	98	75	0
Picton ..	d	83	62	0·09
Sydney .	g	78	46	0·11
Wentw'th	c	82	60	0
Young .	g	101	67	0
Woll'g'ng	.	—	—	—
Taralga..	b	95	—	0
Hay	g	91	50	0
M'ss V'l	d	86	57	0
Euston	g	94	56	0
G'lburn	g	94	57	0
Wagga.	d	95	64	0
C Geo'	.	—		0

Stations.	WT	M,X	Mn	R'in
Queanbe'an	r	90	63	0·02
Deniliquin.	b	90	52	0
Moruya	.	—	—	—
Kiandra..	.	—	..	—
Albury ...	c	91	60	0·16
Bodalla..	.	—	—	—
Cooma	r	90	54	0·34
Eden	.	—	—	—

Curve showing state of Barometer.



Fine, wind N; cloudy, wind E; storm, wind S; landing, wind W

If it is SALM, the symbol is used without the arrow

sea smooth. heavy very heavy.

Barometers risen about 0 05 on S coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. JAN. 18 1884

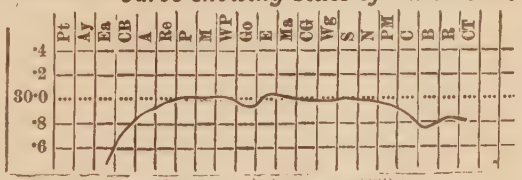
Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years 50·491.
Average for 26 years from Jan. 1st to December 31 50·491.
Total Rainfall from Jan. 1st to January 18 0·592.
Barometers corrected to 32° Fah. ... Level.

0 29·77 R 93

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. Thunderstorm, wind S. Raining wind W

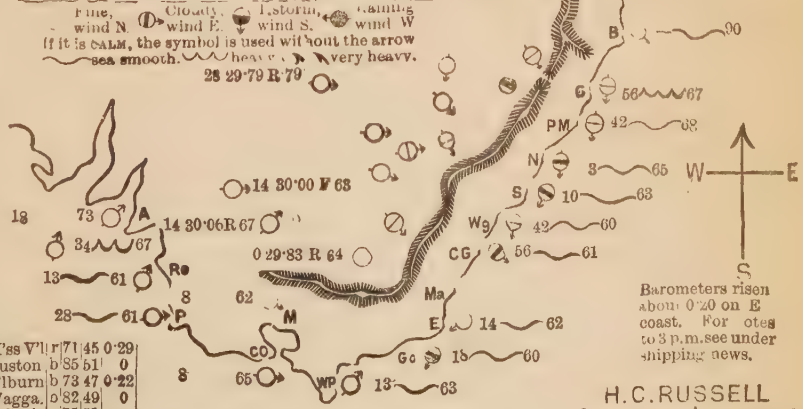
If it is CALM, the symbol is used without the arrow

sea smooth. heavy. very heavy.

STATIONS.	wt	M'x	Mn	R'in
Casino ..	c	92	65	0
Tent'rfield	g	97	62	0
Clarence .	g	81	65	0
Moree ..	b	107	79	0
Grafton ..	g	98	48	0·12
Gl n Inn's	b	98	69	0
Inverell.	b	103	65	0
Bourke	o	110	72	0
Narrabri .	o	110	—	0
Armidale.	b	90	—	0·32
Bendem'r	o	97	73	0
Gunned'h	b	103	68	0
C'n'mble	b	103	65	0
Kempsey	.	—	—	..
Walcha..	b	92	52	0
Tamw'rth	b	100	59	0
Coonab'n.	b	100	57	0
P. M'cqrie	b	76	62	0·08
W'lcannia	.	—	—	
Murr'ndi.	b	86	55	0
Taree..	b	77	61	0
Cassilis	p	91	64	0
Muss'br'k	g	92	57	0
Dubbo .	b	95	63	0
Menindie.	b	100	51	0
Singleton	g	84	62	0
Nels'n's B'	b	—	—	—
23 74 Mudg	b	100	51	0
Maitland.	g	83	58	0
Hill End.	.	—	—	—
N'wcastle	g	75	56	0·98
Orange ..	o	72	45	0
Bathurst	g	81	47	0
Forbes ..	b	82	54	0
M. Vict'ria	g	70	48	0·07
Carcoar .	b	82	52	0·04
Cond'b'lin	.	—	—	—
Marsdens	b	83	54	0
Picton ..	g	68	55	0·29
Sydney ..	g	69	54	0·34
Wentw'th	b	82	58	0
Young .	b	79	61	0·11
Woll'g'ng	c	72	51	0·65
Taralga..	g	74	—	0·44
Hay ..		79	38	0

M'ss V'l	r	71	45	0·29
Euston	b	85	51	0
G'lburn	b	73	47	0·22
Wagga.	o	82	49	0
C Geo'	g	75	51	1·17

Stations.	WT	M.x	Mn	R'in
Queanbe'an	g	75	54	0·23
Deniliquin.	b	81	43	0
Moruya . .	.	—	—	—
Kiandra .	.	—	.	—
Albury ...	b	79	52	0·16
Bodalla .	c	—	45	0·63
Cooma . ..	c	75	42	0·35
Eden . ..	b	65	62	0·25



TIME BALL
Drops at 1 p.m. S M T or 2h.55m.9·19s.a.m. Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers risen about 0·20 on E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JAN. 19 1884

Sydney Observatory.

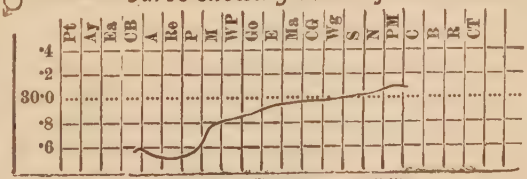
Lat. 33° 51′ 41″ S ; *Long* 10*h.* 4*m* 50·81*s.* E.

Average Annual Rainfall for 25 years 50·491.
Average for 26 years from Jan 1st to December 31 50·491.
Total Rainfall from Jan. 1st to Jan. 19 0·669.

Barometers corrected to 32° Fah.

13 29·94 R.

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining wind W.
If it is CALM, the symbol is used without the arrow.
sea smooth. heavy. very heavy.

STATIONS.	wt	M'x	M	a'm
Casino ..	.	—	—	—
Tent'rfield	b	83	48	0
Clarence .	b	80	60	0
Moree ..	b	106	68	0
Grafton ..	b	85	46	0
Gl n Inn's	b	90	52	0
Inverell.	o	108	53	0
Bourke	o	98	71	0
Narrabri.	b	101	—	0
Armidale.	o	75	—	0
Bendem'r	b	75	55	0
Gunned'h	b	91	65	0
C'n'mble	b	83	63	0
Kempsey	.	—	—	—
Walcha..	b	70	48	0
Tamw'rth	b	87	55	0
Coonab'n.	b	107	50	0
P. M'cqrie	b	72	59	0
W'lcannia	.	—	—	—
Murr'ndi.	b	72	60	0
Taree.	.	—	—	—
Cassilis	c	72	60	0
Muss'br'k	b	79	57	0
Dubbo .	b	84	62	0
Menindie.	o	91	70	0
Singleton	b	75	61	0
Nels'n's P.	.	—	—	—
Mudg	b	80	50	0
Maitland.	b	79	62	0
Hill End	.	—	—	—
N'wcastle	c	71	60	0·03
Orange ..	o	72	48	0
Bathurst	o	81	47	0
Forbes ..	b	87	57	0
M. Vict'ria	g	54	87	0
Carcoar .	b	70	59	0
Cond'b'lin	.	—	—	—
Marsdens	b	86	63	0
Picton ..	g	69	58	0
Sydney ..	g	70	61	0·02
Wentw'th	b	94	76	0
Young ..	b	81	51	0
Woll'g'ng	c	76	55	0
Taralga..	.	—	—	0
Hay — —	b	93	52	0

Stations.	wt	M.	x	M	R'in
Queanbe'an	b	70	50		0
Deniliquin.	b	91	60		0
Moruya ..	g	70	58		0
Kiandra..	o	71	31		0
Albury ...	b	89	57.		0
Bodalla..	b	—	56		0
Cooma	b	74	45		0
Eden	.	69	58		—

M'ss V'l	g	59	49	0
Euston	b	92	67.	0
G'lburn	g	68	51	0
Wagga.	b	86	57	0
C Geo'.	o	71	55	0·12

TIME BALL Drops at 1 p.m. SMT or 2h.55m.9·19s. a.m. Greenwich Mn. Time MAG. VAR. 9° 35′ 30″ E

56 29 82 F 65
28 29·64 F 73
14 29·77 F 70
34 — 79
18 — 75
69
73
23
Go 23 — 65
WP 34 — 64
Ma 14 65
E 14 — 65
CG 14 — 65
Wg — 67
S 1 — 65
N 0 — 63
PM 28 — 72
C 28 — 76

Barometers risen about 0·40 on E coast. For obs to 3 p.m. see under shipping news.

H.C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JAN. 21 1884

Sydney Observatory.

Lat. 33° 51′ 40″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 25 years ... 50·491.
Average for 26 years from Jan. 1st to December 31 50·491.
Total Rainfall from Jan. 1st to January 21 0·628.
Barometers corrected to 32° Fah. and Mean Sea Level.

STATIONS.	wt	M'x	Mn	R'in
Casino ..	b	100	70	0·02
Tent'rfield	g	88	52	0·32
Clarence .	b	83	70	0·04
Moree ..	b	96	60	0·27
Grafton ..	b	99	59	0·24
Gl n Inn's	b	100	59	0·12
Inverell.	o	104	63	1·40
Bourke	o	105	68	0
Narrabri .	n	105	—	0·10
Armidale.	o	87	—	0·28
Bendem'r	g	92	78	0·96
Gunned'h	b	100	74	0·37
C'n'mble	b	98	60	0·06
Kempsey	.	—	—	—
Walcha..	b	88	69	0·30
Tamw'rth	b	98	63	0·35
Coonab'n.	b	99	64	0·03
P. M'cqrie	b	81	71	0·12
W'lcannia	.	—	—	—
Murr'ndi.	b	87	63	0·07
Taree.	.	—	—	—
Cassilis	b	86	72	0·20
Muss'br'k	c	101	64	0
Dubbo .	c	81	64	0·28
Menindie.	o	84	55	0
Singleton	b	100	72	0·07
Nels'n's B'	b	92	62	0·02
Mudg	b	90	56	0·19
Maitland.	b	92	57	0
Hill End.	.	—	—	—
N'wcastle	o	84	68	0
Orange ..	g	80	50	0·26
Bathurst	o	90	52	0·13
Forbes ..	c	59	45	0·02
M. Vict'ria	b	74	61	0
Carcoar .	g	79	65	0·30
Cond'b'lin	.	—	—	—
Marsdens	b	93	30	0
Picton ..	n	81	65	0·14
Sydney ..	b	78	67	0·02
Wentw'th	q	83	51	0·08
Young .	g	84	54	0
Woll'g'ng	b	79	61	0·19
Taralga..	.	—	—	—
Hay	r	101	38	0·09

Stations.	WT	M.x	Mn	R'in
Queanbe'an	g	77	57	0·02
Deniliquin.	b	105	—	0·13
Moruya	n	77	62	0
Kiandra..	r	66	35	0·67
Albury ...	r	94	53	0·33
Bodalla .	b	--	47	0·04
Cooma . .	c	83	46	0·11
Eden . ..	.	--	--	—
Mss V'l		77	56	0·26
Euston		82	49	0·02
G'lburn	g	86	53	0·42
Wagga.	c	92	53	0·10
C Geo'	o	85	60	0·31

14 30·14 R 77 ***Curve showing state of Barometer.***

Pr Ay Ea CB A Re P M WP Go E Ma CG Wg S N PM C B E CT

30·4 30·2 30·0 29·8 29·6

TIME BALL
Drops at 1 p.m. SMT
or 2h.55m.9·19s.a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers fallen about 0·60 on E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JAN. 22 1884

Sydney Observatory.

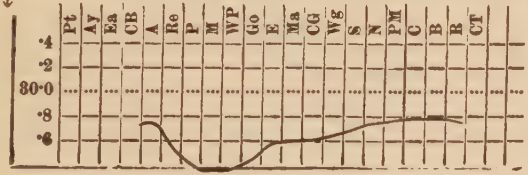
Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 25 years 50·491.
Average for 26 years from Jan. 1st to December 31 50·491.
Total Rainfall from Jan. 1st to January 22 0·628.
Barometers corrected to 32° Fah. and Mean Sea Level.

Stations.	wt	M'x	Mn	R'fall
Casino ..	b	104	65	0
Tent'rfield	b	85	50	0
Clarence .	b	88	66	0
Moree ..	b	87	62	0
Grafton ..	b	109	69	0
Gl n Inn's	o	84	46	0
Inverell.	o	103	55	0
Bourke	b	88	64	0
Narrabri.	o	96	—	0
Armidale.	b	93	—	0
Bendem'r	b	86	62	0
Gunned'h	b	90	53	0
C'n'mble	.	—	—	0
Kempsey	.	—	—	—
Walcha..	b	80	41	0
Tamw'rth	b	98	59	0
Coonab'n.	b	84	49	0
P. M'cqrie	b	90	59	0
W'loannia	.	—	—	—
Murr'ndi.	b	79	58	0
Taree..	b	96	59	0
Cassilis	.	—	—	—
Muss'br'k	b	89	62	0·10
Dubbo .	b	79	61	0
Menindie.	o	77	55	0
Singleton	b	87	63	0
Nels'n's R.	b	87	58	0
Mudg	b	76	43	0
Maitland.	b	92	57	0
Hill End.	.	—	—	—
N'wcastle	o	90	61	0
Orange ..	b	67	43	0
Bathurst	b	90	46	0
Forbes ..	b	74	55	0
M. Vict'ria	o	70	59	0
Carcoar .	b	69	50	0
Cond'b'lin	.	—	—	—
Marsdens	.	—	—	—
Picton ..	o	80	47	0
Sydney ..	b	85	68	0
Wentw'th	q	74	53	0
Young .	b	67	45	0·01
Woll'g'ng	b	84	50	0
Taralga..	.	—	—	—
Hay	c	68	37	0·14
M'ss V'l		71	48	0
Euston	b	71	53	0·02
G'lburn	g	67	45	0·03
Wagga.	o	70	53	0·03
C Geo'	g	81	51	0

Stations.	wt	M.	X	Mn	R'fall
Queanbe'an	g	69	47		0
Deniliquin.	g	67	51		0·09
Moruya .. .	b	77	57		0
Kiandra..	g	51	32		0·81
Albury ...	g	66	54		0·09
Bodalla..	b	--	45		0
Cooma	c	65	45		0·08
Eden	b	70	50		0·11

13 30·10 R 7 *Curve showing state of Barometer.*



TIME BALL, Drops at 1 p.m, S M T or 2h.55m.9·19s.a.m. Greenwich Mn. Time MAG. VAR. 9°35′30″ E

R 81

B 87

14 29·79 R 81

G 86

PM 0 77

N 1 74

S 20 72

56 29 74 R 58

42 29·56 R 55

Wg 72

28 29·56 R 60

CG 28 67

Ma 14 70

E 14 7

Go 28 85

WP 13 57

13 53

34 56

67 A

Re

25

58

M

CO

61

18

Barometers risen about 0·30 on E coast. For otes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JAN. 23 1884

Sydney Observatory.

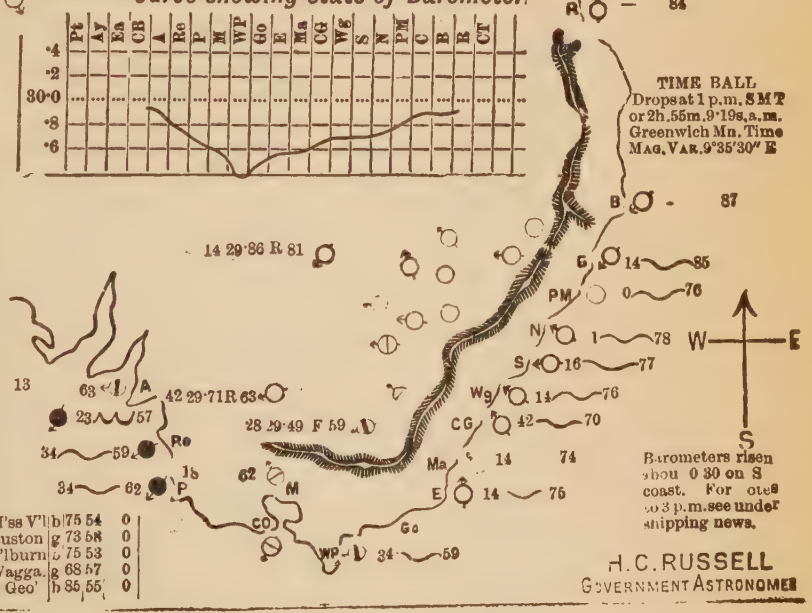
Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 25 years 50·491.
Average for 26 years from Jan. 1st to December 31 50·491.
Total Rainfall from Jan. 1st to January 23 0·628.
Barometers corrected to 32° Fah and Mean Sea Level.

8 30·14 F 82 ***Curve showing state of Barometer.***

STATIONS.	wt	M'x	m'n	R'in
Casino ..	b	101	57	0
Kent'rfield	b	84	51	0
Clarence .	b	93	64	0
Moree ..	b	87	53	0
Grafton ..	b	98	65	0
Gl n Inn's	o	85	48	0
Inverell.	o	88	59	0
Bourke	o	92	65	0
Narrabri.	o	95	—	0
Armidale.	b	78	—	0
Bendem'r	b	82	64	0
Gunned'h	b	88	61	0
C'n'mble	b	88	58	0
Kempsey	.	—	—	—
Walcha..	b	77	42	0
Tamw'rth	b	98	51	0
Coomab'n.	b	82	43	0
P. M'cqrie	b	86	59	0
W'loannia	.	-	—	
Murr'ndi.	b	79	64	0
Taree.	.	—	—	—
Cassilis	b	82	59	0
Muss'br'k	b	9?	64	0
Dubbo .	b	82	62	0
Menindie.	o	79	60	0
Singleton	l	87	63	0
Nels'n's R.	b	91	56	0
Mudg	b	80	50	0
Maitland.	b	92	56	0
Hill End.	.	—	—	—
N'wcastle	o	86	62	0
Orange ..	b	70	54	0
Bathurst	b	90	46	0
Forbes ..	o	78	55	0
M. Vict'ria	o	73	57	0
Carcoar .	b	70	54	0
Cond'b'lin	.	-	—	—
Marsdens	b	74	60	0
Picton ..	o	81	49	0
Sydney ..	b	83	68	0
Wentw'th	o	74	—	0
Young .	g	75	50	0
Woll'g'ng	b	84	56	0
Taralga..	b	75	—	0
Ha\	b	70	44	0
M'ss V'l	b	75	54	0
Euston	g	73	58	0
G'lburn	b	75	53	0
Wagga.	g	68	57	0
C Geo'	b	85	55	0

Stations.	WT	M,x	m	R'in
Queanbe'an	g	75	51	0
Deniliquin.	b	66	52	0·12
Moruya	b	80	63	0
Kiandra..	r	50	34	0·31
Albury ...	g	62	55	0·08
Bodalla..	b	--	56	0
Cooma	q	68	48	0
Eden	b	78	65	0



H. C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. JAN. 24 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 25 years 50·491.
Average for 26 years from Jan. 1st to December 31 50·491.
Total Rainfall from Jan. 1st to January 24 0·628.
Barometer reduced to 32° Fah and Mean Sea Level.

Stations.	wt	M'x	Mn	R'in
Casino ..	b	107	60	0
Tent'rfield	b	90	50	0
Clarence .	b	92	65	0
Moree ..	b	92	62	0
Grafton ..	b	105	70	0
Gl n Inn's	o	89	50	0
Inverell.	o	84	62	0
Bourke	s	94	66	0
Narrabri.	o	100	—	0
Armidale.	b	82	—	0
Bendem'r	b	88	55	0
Gunned'h	b	93	33	0
C'n'mble	b	94	59	0
Kempsey	.	—	—	—
Walcha..	b	91	53	0
Tamw'rth	b	91	53	0
Coonab'n.	b	86	14	0
P. M'cqrie	b	76	60	0
W'lcannia	.	..	—	.
Murr'ndi.	b	85	57	0
Taree..	t	99	62	0
Cassilis	b	85	70	0
Muss'br'k	b	94	59	0
Dubbo .	b	84	63	0
Menindie.	o	83	63	0
Singleton	l	84	65	0
Nels'n's B.	o	82	65	0
18 66 Mudg	b	84	47	0
Maitland.	b	93	57	0
Hill End.	.	—	—	—
N'wcastle	o	91	67	0
Orange ..	b	74	47	0
Bathurst	b	78	46	0
Forbes ..	n	73	42	0
M.Vict'ria	o	71	68	0
Carcoar .	b	75	60	0
Cond'b'lin	.	-	—	—
Marsdens	b	80	62	0
Picton ..	o	86	52	0
Sydney ..	b	86	65	0
Wentw'th	o	78	5	0
Young .	b	77	49	0
Woll'g'ng	b	89	56	0
Taralga..	b	72	—	0
Hay — —	b	71	47	0
M'ss V'll	b	76	52	0
Euston	b	80	57	0
G'lburn	o	74	48	0
Wagga.	g	79	55	0
C Geo'	b	85	55	0

Stations.	wt	M'x	Mn	R'in
Queanbe'an	g	67	43	0
Deniliquin.	b	78	56	0·03
Moruya ..	b	85	64	0
Kiandra..	r	58	36	0·20
Albury ...	g	70	56	0·25
Bodalla..	b	85	44	0
Cooma	q	68	44	0
Eden . ..	b	84	62	0

Curve showing state of Barometer.

Pc Ay Ea CB A Re P M WP Go E Ma CG Wg S N PM C B B CT

30·4 ·2 30·0 ·8 ·6

Fine, wind N. wind E. wind S. wind W
If it is CALM, the symbol is used without the arrow
sea smooth heavy very heavy

TIME BALL
Drops at 1 p.m. SMT
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

14 29·84 R 78
42 30·00 R 62
42 29·84 R 67
28 29·67 R 60

Barometers risen about 0·20 on E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JAN. 25 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 25 years 50·491.
Average for 26 years from Jan. 1st to December 31 50·491.
Total Rainfall from Jan. 1st to January 25 0·628.
Barometers corrected to 32° Fah and Mean Sea Level.

STATIONS.	WT	M'x	M'n	R'in
Casino .	b	104	73	0
Tenterfield.	b	96	58	0
Clarence .	b	96	67	0
Moree	b	96	68	0
Grafton .	b	104	68	0
Glen Inn's	o	92	56	0
Inverell.	o	89	62	0
Bourke.	o	98	63	0
Narrabri .	o	102	—	0
Armidale.	b	84	—	0
Pendenn'r	o	90	78	0
Gunned'h	b	95	59	0
C'n'mble	b	96	63	0
Kempsey .	.	—	—	—
Walcha..	b	81	41	0
Tamw'rth	b	9	60	0
Coonab'n.	b	90	55	0
P. M'cqrie	b	88	54	0
W'lcannia .	.	—	—	—
Murr'ndi .	b	8	50	0
Taree.		86	63	0
Cassilis	b	85	67	0
Muss'br'k	b	90	65	0
Dubbo .	b	89	63	0
Menindie.	o	78	59	0
Singleton		94	64	0
Nels'n's B'	o	85	63	0
13 64				
Mudg	b	89	42	0
Maitland.	b	92	61	0
Hill End.	.	—	—	—
N'wcastle	o	80	67	0
Orange ..	b	78	51	0
Bathurst	b	82	46	0
Forbes ..	o	84	54	0
M. Vict'ria	o	76	58	0
Carcoar .	b	76	60	0
Cond'b'lin	.	—	—	—
Marsdens	b	84	62	0
Picton ..	o	83	51	0
Sydney ..	b	80	65	0
Wentw'th	o	78	52	0
Young .	b	86	48	0
Woll'g'ng	b	85	53	0
Taralga..	b	78	50	0
Hay	c	77	52	0

Stations.	WT	M.x	M'n	R'in
Queanbe'an	b	77	53	0
Deniliquin.	c	84	56	0
Moruya ..	b	86	54	0
Kiandra..	c	62	35	0·33
Albury ...	g	67	54	0
Bodalla .	b	89	4	0
Cooma	b	73	43	0
Eden	b	79	59	0

M'ss V'l	b	2	52	0
Euston	b	79	73	0
G'lburn	o	83	51	0
Wagga.	b	80	52	0
C Geo'	b	80	55	0

Curve showing state of Barometer.

TIME BALL
Drops at 1 p.m. SMT
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers risen about 0·10 on S coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JAN. 26 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

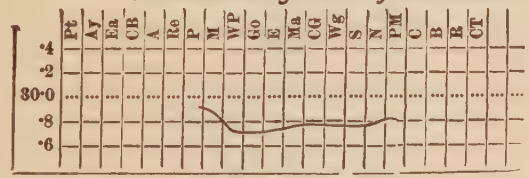
Average Annual Rainfall for 25 years 50·491.
Average for 26 years from Jan. 1st to December 31 50·491.
Total Rainfall from Jan. 1st to January 26 0·628.
Barometers corrected to 32° Fah and Mean Sea Level.

STATIONS.	wt	M'x	Mn	R'in
Casino ..	.	—	—	—
Tent'rfield	.	—	—	—
Clarence .	.	—	—	—
Moree ..	b	93	59	0
Grafton ..	.	—	—	—
Gl'n Inn's	o	93	57	0
Inverell.	o	90	56	0
Bourke	b	91	63	0
Narrabri.	o	96	—	0
Armidale.	b	84	—	0
Bendem'r	b	87	68	0
Gunned'h	b	100	59	0
C'n'mble	.	—	—	—
Kempsey	.	—	—	—
Walcha..	b	81	39	0
Tamw'rth	b		—	0
Coonab'n.	b	84	43	0
P. M'cqrie	b	81	59	0
W'lcannia	.	-	—	
Murr'ndi.	b	83	55	0
Taree.	.	—	-	—
Cassilis	b	84	55	0
Muss'br'k	b	89	56	0
Dubbo .	.	—	—	—
Menindie.	b	76	58	0
Singleton	b	82	61	0
Nels'n's B.	b	79	51	0
Mudg	b	85	46	0
Maitland.	b	—	—	0
Hill End.	.	—	—	—
N'wcastle	o	78	60	0
Orange ..	b	71	46	0
Bathurst	.	—	—	—
Forbes ..	b	82	52	0
M. Vict'ria	o	70	60	0
Carcoar .	b	74	40	0
Cond'b'lin	.	-	—	—
Marsdens	.	—	-	0
Picton ..	c	79	50	0
Sydney ..	b	83	59	0
Wentw'th	b	71	54	0
Young .	b	81	48	0
Woll'g'ng	b	84	54	0
Taralga..	b	77	49	0
Hay	b	71	37	0

M'ss V'l	b	77	48	0
Euston	b	76	53	0
G'lburn	b	76	44	0
Wagga.	b	80	52	0
C Geo'	b	77	53	0

Stations.	WT	M,X	Mn	R'in
Queanbe'an	b	75	52	0
Deniliquin.	b	77	48	0·04
Moruya	g	78	59	0·30
Kiandra..	b	53	33	0·14
Albury ...	b	73	52	0
Bodalla..	.	—	—	—
Cooma	b	72	47	0
Eden . ..	.	—	—	—

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. Storm, wind S. Calming wind W.
If it is calm, the symbol is used without the arrow
sea smooth, heavy, very heavy

Barometers risen about 0·20 on SW coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. JAN. 28 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .... 50·491.
Average for 26 years from Jan. 1st to December 31 50·491.
Total Rainfall from Jan. 1st to January 28 0·628.
Barometers corrected to 32° Fah and Mean Sea Level.

0 30 20 R 78 *Curve showing state of Barometer.*

wind N wind E wind S. wind W

the symbol is used without the arrow

sea smooth very heavy

TIME BALL
Drops at 1 p.m. S M T or 2h.55m.9·19s.a.m. Greenwich Mn. Time
Mag. Var. 9°35′30″ E

Barometers risen about 0·22 on SE coast. For otes to 3 p.m. see under shipping news.

Stations.	wt	M'x	MN	R'in
Casino ..	b	94	61	0
Tent'rfield	b	86	51	0
Clarence .	t	96	62	0
Moree ..	b	86	56	0
Grafton ..	b	90	60	0
Gl n Inn's	b	80	49	0
Inverell.	o	90	55	0
Bourke	o	88	62	0
Narrabri .	o	93	—	0
Armidale.	o	84	—	0
Bendem'r	b	77	56	0
Gunned'h	b	87	58	0
C'n'mble	b	99	60	0
Kempsey	.	—	—	—
Walcha..	b	75	39	0
Tamw'rth	b	81	60	0
Coonab'n.	b	79	41	0·19
P. M'cqrie	.	-	—	---
W'loannia	b	--	—	0
Murr'ndi .	b	81	55	0
Taree.	b	84	57	0
Cassilis	b	80	67	0
Muss'br'k	b	88	55	0
Dubbo .	b	79	57	0
Menindie.	b	78	59	0
Singleton	b	82	57	0
Nels'n's B	l	83	55	0
23 71 Mudg	b	85	46	0
Maitland.	.	—	—	—
Hill End.	b	—	—	0
N'wcastle	o	78	59	0
Orange ..	b	63	40	0
Bathurst	b	72	40	0
Forbes ..	o	83	47	0
M. Vict'ria	b	72	68	0
Carcoar .	.	—	—	—
Cond'b'lin	.	-	—	—
Marsdens	.	—	-	—
Picton ..	c	76	52	0
Sydney ..	c	70	58	0
Wentw'th	b	80	55	0
Young .	b	82	45	0
Woll'g'ng	b	69	53	0
Taralga..	b	72	42	0
Hay	b	77	29	0

M'ss V'l	b	73 48	0
Euston	b	83 51	0
G'lburn	b	75 44	0
Wagga.	b	79 48	0
C Geo'	b	73 70	0

Stations.	WT	M.X	MN	R'in
Queanbe'an	b	74	48	0
Deniliquin.	b	78	48	0
Moruya	b	70	61	0
Kiandra..	n	60	23	0·04
Albury ...	b	77	46	0
Bodalla..	c	85	47	1·09
Cooma	c	65	38	0
Eden	b	71	55	0

H. C. RUSSELL
Government Astronomer

WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JAN. 29 1884

Sydney Observatory.

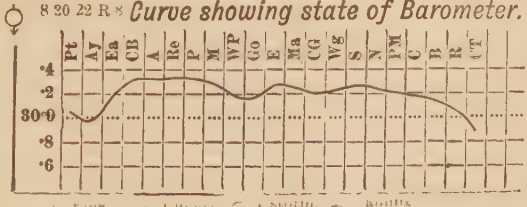
Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 2 b years 50·491.
Average for 26 years from Jan. 1st to December 31 50·491.
Total Rainfall from Jan. 1st to January 29 0·628.
Barometers co[illegible] to 32° Fah. [illegible] Mean Sea Level.

STATIONS.	wt	M'x	vn	R'fn
Casino ..	b	95	57	0
Tent'rfield	b	89	50	0
Clarence .	r	86	66	0
Moree ..	b	92	60	0
Grafton ..	b	91	58	0
Gl n Inn's	b	86	52	0
Inverell.	n	88	58	0
Bourke	o	92	64	0
Narrabri .	b	92	—	0
Armidale.	o	79	—	0
Bendem'r	b	84	42	0
Gunned'h	b	00	99	0
C'n'mble	b	87	62	0
Kempsey	.	—	—	—
Walcha..	b	79	43	0
Tamw'rth	b	87	59	0
Coonab'n.	b	82	42	0
P. M'cqrie	.	—	—	—
W'lcannia	b	—	—	0
Murr'ndi.	c	82	60	0
Taree..	.	—	—	—
Cassilis	b	82	55	0
Muss'br'k	b	92	62	0
Dubbo .	b	82	60	0
Menindie.	.	—	—	—
Singleton	.	—	—	—
Nels'n's R.	b	80	55	0
23 71 Mudg	b	87	48	0
Maitland.	b	90	55	0
Hill End.	o	—	—	0
N'wcastle	b	73	61	0·02
Orange ..	b	72	44	0
Bathurst	n	79	44	0
Forbes ..	o	80	51	0
M. Vict'ria	b	73	53	0
Carcoar .	b	71	48	0
Cond'b'lin	.	—	—	—
Marsdens	b	28	60	0
Picton ..	g	81	59	0
Sydney ..	g	73	61	0
Wentw'th	.	—	—	—
Young .	o	87	52	0
Woll'g'ng	c	79	64	0·19
Taralga..	b	78	50	0
Hay	b	79	30	0
M'ss V'll	b	78	53	0
Euston	b	83	52	0
G'lburn	o	75	51	0
Wagga.	b	83	49	0
C Geo'	b	75	53	0·03

Stations.	WT	M,X	vn	R'fn
Queanbe'an	b	75	50	0
Deniliquin.	b	79	49	0
Moruya ..	b	73	54	0·02
Kiandra..	n	68	35	0
Albury ..	b	78	49	0
Bodalla .	b	77	49	0·19
Cooma	c	74	44	0·03
Eden	b	76	54	0·18

8 20 22 R 8 *Curve showing state of Barometer.*



Fine, wind N. Cloudy, wind E. Squalls, wind S. Rain, wind W. sea smooth very heavy

23 30·11 R 78

FINE GENERALLY

14 30·13 F 63

14 29·98 R 64

TIME BALL
Drops at 1 p.m. SMT or 2h.55m.9·19s. a.m. Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers risen about 0·30 on SE coast. For [illegible]s to 3 p.m. see under shipping news.

H.C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. JAN. 30 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 25 years 50·491.
Average for 26 years from Jan. 1st to December 31 50·491.
Total Rainfall from Jan. 1st to January 30 0·628.

Curve showing state of Barometer.

STATIONS.	wt	w'x	wn	R'in
Casino ..	b	92	65	0·06
Tent'rfield	.	—	—	—
Clarence .	f	91	66	0
Moree ..	b	98	64	0
Grafton ..	g	90	58	0
Gl n Inn's	g	92	54	0
Inverell.	o	89	57	0
Bourke	o	96	61	0
Narrabri .	b	97	—	0
Armidale.	o	80	—	0
Bendem'r	b	82	57	0
Gunned'h	b	94	67	0
C'n'mble	b	93	69	0
Kempsey	.	—	—	—
Walcha..	b	79	53	0
Tamw'rth	b	91	51	0
Coonab'n.	b	92	57	0
P. M'eqrie	.			
W'lcannia	b	—	—	0
Murr'ndi..	b	82	60	0
Taree.	b	77	61	0
Cassilis	b	81	61	0
Muss'br'k	b	86	48	0
Dubbo .	b	81	63	0
Menindie.	b	8[illegible]	62	0
Singleton	b	80	67	0
Nels'n's R	b	79	57	0
18 71 Mudg	b	90	53	0
Maitland.	b	79	56	0
Hill End.	o	—	—	0
N'wcastle	b	74	62	0
Orange ..	b	76	51	0
Bathurst	b	85	50	0
Forbes ..	o	73	50	0
M. Vict'ria	b	77	68	0
Carcoar .	b	75	56	0
Cond'b'lin	.	—	—	—
Marsdens	b	81	66	0
Picton ..	c	75	50	0
Sydney ..	b	73	59	0
Wentw'th	b	88	57	0
Young .	b	90	55	0
Woll'g'ng	.	—	—	—
Taralgo..	b	81	51	0
Hay	b	84	42	0
M'ss V'l	b	73	50	0
Euston	b	87	57	0
G'lburn	o	82	53	0
Wagga.	b	86	58	0
C Geo'	b	72	53	0

Stations.	WT	M,x	Mn	R'in
Queanbe'an	b	74	52	0
Deniliquin.	b	86	50	0
Moruya .. .	b	71	53	0
Kiandra..	b	78	34	0
Albury ...	b	85	52	0
Bodalla..	b	74	47	0
Cooma	b	79	41	0
Eden	b	76	58	0

TIME BALL
Drops at 1 p.m. SMT
or 2h.55m.9·19s.a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

FINE GENERALLY

Barometers risen about 0·05 on E coast. For otes to 3 p.m. see under shipping news.

H.C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JAN. 31 1884

Sydney Observatory.

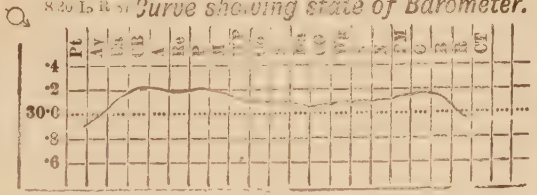
Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 25 years ..... 50·491.
Average for 26 years from Jan. 1st to December 31 50·[illegible].
Total Rainfall from Jan. 1st to January 31 0·8[illegible].
Barometers corrected to 32° Fah and Mean Sea Level.

STATIONS.	wt	M'x	m'n	R'in
Casino ..	d	83	56	0·02
Tent'rfield	d	82	58	0
Clarence .	d	81	68	0
Moree ..	g	94	58	0
Grafton ..	o	91	60	0
Glen Inn's	g	84	57	0
Inverell.	o	89	55	0
Bourke	g	102	77	0
Narrabri.	g	99	—	0
Armidale.	o	80	—	0
Bendem'r	c	91	72	0
Gunned'h	c	91	75	0
C'n'mble	b	97	72	0
Kempsey	.	—	—	—
Walcha..	b	82	55	0
Tamw'rth	b	95	58	0
Coonab'n.	g	95	66	0
P. M'cqrie	.	—	—	
Wilcannia	b	—	—	0
Murr'ndi.	b	85	65	0
Taree..	.	—	—	—
Cassilis	b	83	65	0
Muss'br'k	b	92	4	0
Dubbo .	g	89	63	0
Menindie.	g	91	65	0
Singleton	o	84	64	0
Nels'n's B	g	80	58	0
Mudg	g	93	61	
Maitland.	.	—	—	0
Hill End.	g	—	—	0
N'wcastle	b	74	62	0
Orange ..	b	80	58	0
Bathurst	g	80	57	0
Forbes ..	o	92	57	0
M. Vict'ria	b	80	73	0
Carcoar .	b	79	60	0
Cond'b'lin	.	—	—	—
Marsdens	b	95	62	0
Picton ..	b	83	55	0
Sydney ..	o	74	61	0
Wentw'th	o	95	62	0
Young .	b	93	59	0
Woll'g'ng	b	79	68	0
Taralga..	b	90	42	0
Hay	b	97	48	0
M'ss V'l	b	79	55	0
Euston	b	96	56	0
G'lburn	o	92	54	0
Wagga.	b	98	57	0
C Geo'	b	73	59	0

Stations.	wt	M'x	m'n	R'in
Queanbe'an	b	80	58	0
Denil.quin.	b	95	55	0
Moruya..	b	73	58	0
Kiandra..	c	80	36	0
Albury ..	b	92	55	0
Bodalla..	b	75	49	0
Cooma ..	b	82	35	0
Eden ..	g	74	61	0

Curve showing state of Barometer.



WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. FEB 1 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .... 50·491.
Average for 26 years from Jan. 1st to January 31 3·537.
Total Rainfall from Jan. 1st to February 1 0·856.
Barometers corrected to 32° Fah and Mean Sea Level.

Stations.	wt	M'x	Mn	R'in
Casino ..	.	—	—	—
Tent'rfield	.	—	—	—
Clarence .	d	85	64	0·14
Moree ..	r	77	64	0·64
Grafton ..	g	80	52	0·24
Gl'n Inn's	r	82	55	0
Inverell.	o	89	47	0·44
Bourke	g	85	70	0
Narrabri .	r	98	—	0·33
Armidale.	d	77	—	0·20
Bendem'r	r	82	61	0·01
Gunned'h	r	93	68	0·17
C'n'mble	.	97	70	0
Kempsey	.	—	—	—
Walcha..	r	76	57	0
Tamw'rth	r	86	65	0·11
Coonab'n.	g	92	62	0
P. M'cqrie	g	74	61	0
W'lcannia	b	—	—	0
Murr'ndi .	g	84	66	0·06
Taree.	.	—	—	—
Cassilis	g	86	69	0
Muss'br'k	g	99	66	0
Dubbo .	c	96	69	0·05
Menindie.	o	96	70	0
Singleton	g	92	68	0·07
Nels'n's B'	g	83	65	0
8 72				
Mudg	g	90	59	0
Maitland.	g	94	67	0·05
Hill End.	g	—	—	0·02
N'wcastle	g	81	66	0
Orange ..	g	83	57	0
Bathurst	g	89	59	0·33
Forbes ..	o	100	65	0
M. Vict'ria	g	80	59	0
Carcoar .	g	82	68	0·11
Cond'b'lin	.	-	—	—
Marsdens	b	97	70	0
Picton ..	g	86	62	0·09
Sydney ..	g	78	66	0
Wentw'th	b	97	62	0
Young .	g	98	61	0
Woll'g'ng	c	64	59	0
Taralga..	b	91	35	0
Hay ..	b	97	47	0

Stations.	WT	M'x	Mn	R'in
Queanbe'an	g	87	63	0
Deniliquin.	b	94	54	0
Moruya ..	g	73	70	0·02
Kiandra..	b	81	41	0
Albury ..	b	94	56	0
Bodalla..	g	73	58	0
Cooma	b	88	52	0
Eden .	g	76	65	0

8 20 08 E 91 *Curve showing state of Barometer.*

wind N wind E wind S. wind W
If it is calm, the sy ... ased without the arrow
... ooth. heavy very heavy.

TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
Mag. Var. 9°35′30″ E

Barometers fallen about 0 10 on S coast. For notes to 3 p.m. see under shipping news.

M'ss V'l	g	85	57	0
Euston	b	98	58	0
G'lburn	g	96	58	0
Wagga.	b	97	62	0
C Geo'	b	71	62	0

H. C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. FEB·2 1884

Sydney Observatory.

Lat 33° 51′ 41″ S., *Long* 10*h* 4*m* 50·81*s*. *E*.

Average Annual Ra[illegible] 50·491.

Average fo[illegible] 6 [illegible] from Jan 1st to [illegible] January 31 [illegible]·507.

Total Ra[illegible] [illegible] to February 2 0·8[illegible]6.

Bar[illegible]

0 20 0[illegible]

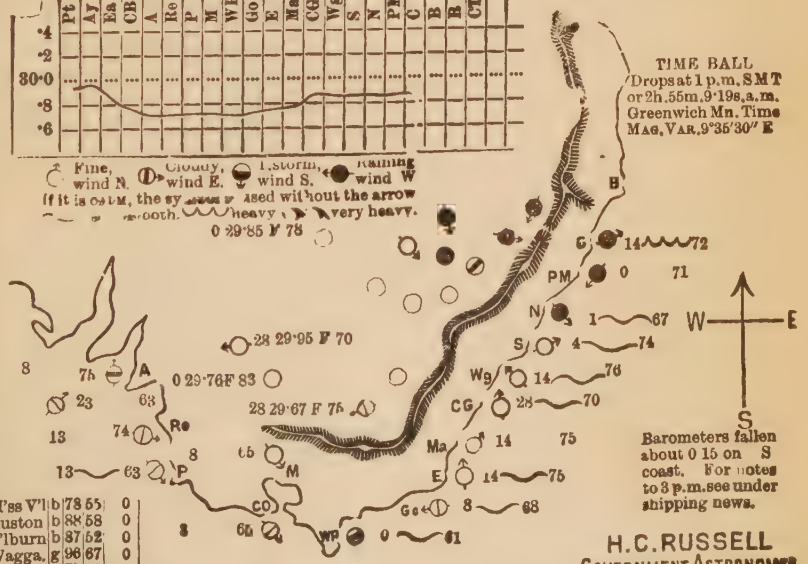
Stations.				
Casino .	p	84	60	0·65
Tent'rfield	.	—	—	—
Clarence .	p	77	65	1·00
Moree ..	d	71	62	0·75
Grafton .	p	75	63	0·95
Gl'n Inn's	g	6[illegible]	55	0·85
Inverell.	b	89	49	1·22
Bourke	b	84	65	0
Narrabri .	c	68	—	0·23
Armidale.	g	61	—	0·81
Bendem'r	p	61	56	1·56
Gunned'h	r	72	63	0·69
C'n'mble	b	78	58	0·55
Kempsey	.	—	—	—
Walcha..	p	62	54	1·39
Tamw'rth	c	77	59	0·82
Coonab'n.	o	74	50	0·10
P. M'cqrie	r	74	64	2·42
W'lcannia	b	—	—	0
Murr'ndi .	g	69	60	0·27
Taree..	.	—	—	—
Cassilis	b	86	63	0
Muss'br'k	g	75	62	0·10
Dubbo .	b	80	64	0
Menindie.	p	99	72	0
Singleton	b	74	64	0·03
Nels'n's B	g	75	60	0·47
S 8 71 Mudg	p	78	58	0
Maitland.	.	94	61	0·11
Hill End.	p	—	—	—
N'wcastle	o	73	62	0·08
Orange ..	b	73	54	0·41
Bathurst	b	80	53	0
Forbes ..	b	99	59	0
M. Vict'ria	b	69	55	0
Carcoar .	b	77	63	0·27
Cond'b'lin	.	—	—	—
Marsdens	b	95	69	0
Picton ..	c	78	49	0
Sydney ..	b	76	64	0
Wentw'th	b	98	62	0
Young .	b	98	59	0
Woll'g'ng	b	79	60	0
Taralga..	b	80	42	0
Hay — —	b	01	57	0

Stations.	WT	M.	MN	R'in
Queanbe'an	b	84	58	0
Deniliquin.	p	98	63	0
Moruya ..	b	76	60	0
Kiandra..	b	80	41	0
Albury ...	g	93	62	0
Bodalla..	b	78	54	0
Cooma	b	91	54	0
Eden . ..	b	75	68	0

Curve showing state of Barometer.

Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining wind W

If it is calm, the sy[illegible] used without the arrow [illegible] smooth. [illegible] heavy [illegible] very heavy.



Barometers fallen about 0 15 on S coast. For notes to 3 p.m. see under shipping news.

M'ss V'l	b	78	55	0
Euston	b	88	58	0
G'lburn	b	87	52	0
Wagga.	g	96	67	0
C Geo'.	b	75	60	0

H. C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. FEB·4 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .... 50·491.
Average for 26 years from Jan. 1st to January 31 3·537.
Total Rainfall from Jan. 1st to February 4 0·994.
Barometers corrected to 32° Fah and Mean Sea Level.

Stations.	wt	M'x	M'n	R'in
Casino .	c	100	67	0
Tent'rfield	.	—	—	—
Clarence .	b	73	63	0
Moree ..	b	94	62	0
Grafton	b	98	65	0
Gl'n Inn's	.	—	—	—
Inverell.	b	89	54	0
Bourke	b	95	63	0
Narrabri .	b	81	—	0
Armidale.	b	79	—	0·09
Bendem'r	b	86	56	0
Gunned'h	b	92	60	0
C'n'mble	b	92	60	0
Kempsey	.	—	—	—
Walcha..	b	79	40	0·04
Tamw'rth	b	88	54	0
Coonab'n.	b	90	50	0
P. M'cqrie	b	87	60	0
W'lcannia	b	—	—	0
Murr'ndi.	b	85	58	0
Taree..	g	96	60	0
Cassilis	b	84	60	0
Muss'br'k	b	95	60	0
Dubbo .	b	83	64	0
Menindie.	b	77	56	0
Singleton	b	93	62	0
Nels'n's B'	b	85	55	0
8 71 Mudg	b	92	46	0
Maitland.	b	92	57	0
Hill. End.	.	—	—	—
N'wcastle	b	93	55	0
Orange ..	b	69	52	0
Bathurst	b	88	41	0
Forbes ..	b	86	49	0
M. Vict'ria	b	58	51	0·17
Carcoar .	b	78	46	0·05
Cond'b'lin	.	—	—	—
Marsdens	b	93	57	0
Picton ..	c	84	49	0·01
Sydney ..	b	78	46	0·14
Wentw'th	b	78	49	0
Young .	b	83	43	0
Wolf'g'ng	b	90	57	0
Taralga..	b	82	40	0
Hay ..	b	99	35	0

M'ss V'l	b	77	44	0·02
Euston	b	76	44	0
G'lburn	b	73	41	0
Wagga.	b	77	45	0·08
C Geo'.	b	75	59	0

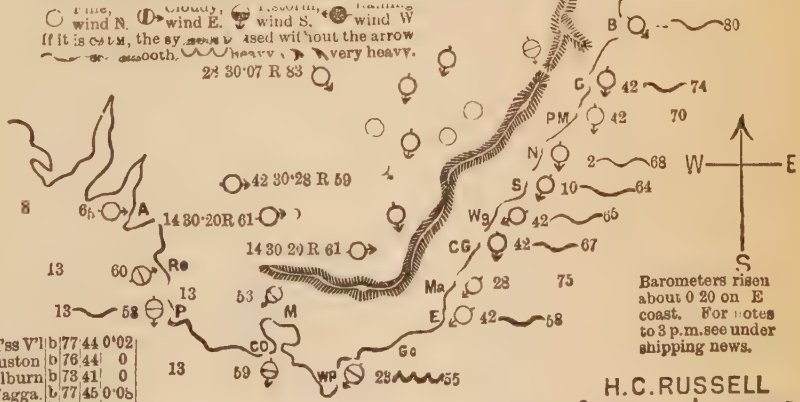
Stations.	WT	M'x	M'n	R'in
Queanbe'an	b	87	44	0·03
Deniliquin.	b	100	45	0
Moruya ..	b	70	50	0·06
Kiandra..	b	62	28	0·75
Albury ...	b	93	45	0
Bodalla..	b	85	45	0
Cooma	q	72	—	0·34
Eden ..	b	69	55	0

23 20 15 E

Curve showing state of Barometer.

Fine, wind N. Cloudy, wind E. Fisterm, wind S. Raining wind W

If it is calm, the sy[illegible] used without the arrow [illegible] smooth, [illegible] heavy, [illegible] very heavy.



Barometers risen about 0 20 on E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

FEB·5 1884

From TELEGRAMS for 9 A.M. & 3 P.M.

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

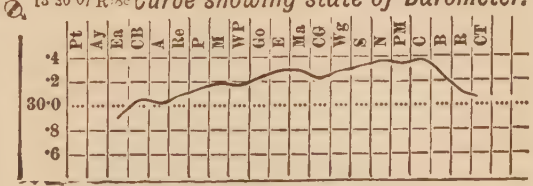
Average Annual Rainfall for 25 years ..... 50·491.
Average for 26 years from Jan. 1st to January 31 3·537.
Total Rainfall from Jan. 1st to February 5 0·994.
Barometers corrected to 32° Fah. and Mean Sea Level.

STATIONS.	wt	M'x	m'n	R'in
Casino .	c	85	63	0
Tent'rfield	.	—	—	—
Clarence .	o	91	66	0
Moree ..	b	81	65	0
Grafton ..	b	86	50	0
Gl n Inn's	.	—	—	—
Inverell.	o	88	50	0
Bourke	b	89	60	0
Narrabri .	b	87	—	0
Armidale.	b	79	—	0
Bendem'r	o	91	65	0
Gunned'h	o	92	51	0
C'n'mble	b	82	63	0
Kempsey	.	—	—	—
Walcha..	b	80	49	0
Tamw'rth	b	86	60	0
Coonab'n.	o	84	48	0
P. M'cqrie	c	68	56	0
W'lcannia	b	—	—	0
Murr'ndi.	b	81	50	0
Taree..	g	82	53	0
Cassilis	r	80	68	0
Muss'br'k	c	87	63	0
Dubbo .	b	83	60	0
Menindie.	o	80	57	0
Singleton	b	81	61	0
Nels'n's P.	g	72	54	0
Mudg	.	—	—	—
Maitland.	o	92	57	0
Hill End.	.	—	—	—
N'wcastle	c	71	63	0
Orange ..	b	68	47	0
Bathurst	b	77	45	0
Forbes ..	b	—	—	0
M. Vict'ria	b	—	—	0
Carcoar .	b	—	—	0
nd'b'lin	.	—	—	—
arsdens	b	75	57	0
..ton ..	c	75	53	0
Sydney ..	g	70	62	0
Wentw'th	b	85	55	0
Young .	o	83	50	0
Woll g'ng	c	73	52	0
Yaralga..	b	80	41	0
Hay — —	b	80	41	0
M'ss V'l	b	74	41	0
Euston	b	84	52	0
G'lburn	b	81	41	0
Wagga.	b	77	51	0
C Geo'.	c	70	55	0

Stations.	wt	M,x	m'n	R'in
Queanbe'an	b	68	48	0
Deniliquin.	b	81	48	0
Moruya	g	70	53	0
Kiandra...	a	65	23	0
Albury ...	b	77	46	0
Bodalla..	b	76	53	0
Cooma	b	—	—	0
Eden	b	68	52	0

13 30 07 Rise

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining wind W
If it is CALM, the symbol is used without the arrow.
Smooth. Heavy. Very heavy.

TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

28 30·07 S 78

42 30·22 F 75

0 29·90 F 60

Barometers risen about 0·25 on E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. FEB 6 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

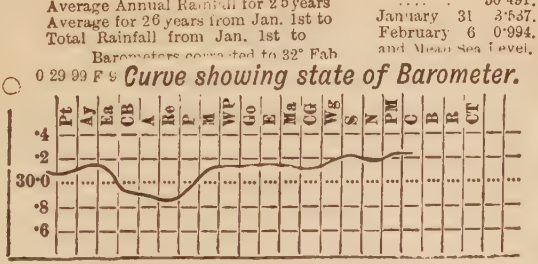
Average Annual Rainfall for 25 years .... 50·491.
Average for 26 years from Jan. 1st to January 31 3·537.
Total Rainfall from Jan. 1st to February 6 0·994.
Barometers corrected to 32° Fah and Mean Sea Level.

STATIONS.	WT	M'N	M'N	R'in
Casino .	b	85	57	0
Tent'rfield	c	77	52	0
Clarence .	b	84	67	0
Moree ..	b	90	66	0
Grafton .	b	85	63	0
Gl'n Inn's	b	88	54	0
Inverell.	b	89	55	0
Bourke	b	99	76	0
Narrabri .	b	95	—	0
Armidale.	b	76	—	0
Bendem'r	b	82	67	0
Gunned'h	b	91	69	0
C'n'mble	.	—	—	0
Kempsey	.	—	—	—
Walcha..	b	78	45	0
Tamw'rth	b	91	61	0
Coonab'n.	b	90	55	0
P. M'cqrie	b	78	57	0
W'lcannia	b	—	—	0
Murr'ndi.	b	80	55	0
Taree..	b	82	53	0
Cassilis	b	81	62	0
Muss'br'k	b	88	56	0
Dubbo .	b	87	67	0
Menindie.	b	90	65	0
Singleton	b	83	59	0
Nels'n's B	b	78	63	0
13 68 Mudg	b	89	54	0
Maitland.	b	81	59	0
Hill End.	.	—	—	—
N'wcastle	b	73	63	0
Orange ..	b	76	54	0
Bathurst	b	82	52	0
Forbes ..	b	89	59	0
M. Vict'ria	.	—	—	0
Carcoar .	b	75	59	0
Cond'b'lin	b	80	70	0
Marsdens	.	—	—	—
Picton ..	b	81	52	0
Sydney ..	b	74	60	0
Wentw'th	c	98	65	0
Young .	b	90	67	0
Woll'g'ng	b	77	58	0
Taralga..	b	88	42	0
Hay ..	b	92	54	0

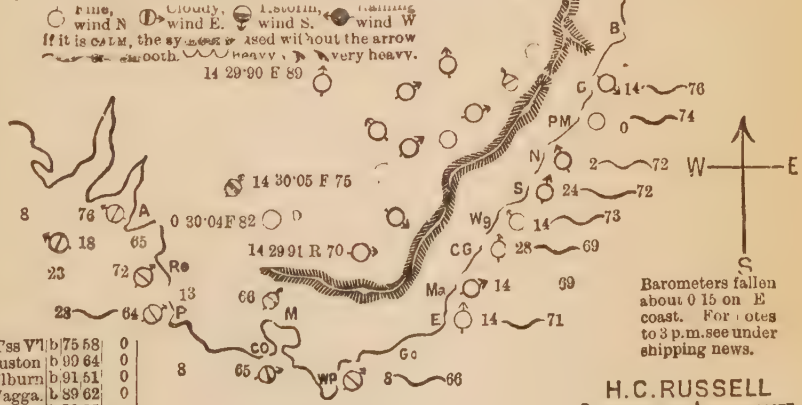
M'ss V'l	b	75	58	0
Euston	b	99	64	0
G'lburn	b	91	51	0
Wagga.	b	89	62	0
C Geo'.	b	70	55	0

Stations.	WT	M'N	M'N	R'in
Queanbe'an	b	77	43	0
Deniliquin.	b	93	63	0
Moruya ..	b	72	69	0
Kiandra..	b	74	37	0
Albury ..	b	83	51	0
Bodalla ..	b	73	54	0
Cooma ..	c	85	—	0
Eden ..	b	71	61	0

0 29 99 F 9 *Curve showing state of Barometer.*



Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W.
If it is CALM, the sy[illegible] used without the arrow
[illegible] ooth. [illegible] heavy. [illegible] very heavy.



Barometers fallen about 0 15 on E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

FEB 7 1884

From TELEGRAMS for 9 A.M. & 3 P.M.

Sydney Observatory.

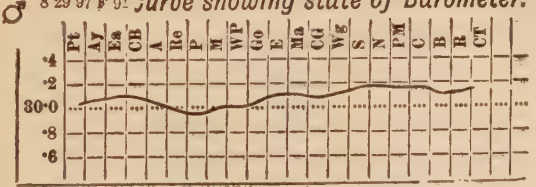
Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 25 years ..... 50·491.
Average for 26 years from Jan. 1st to January 31 3·537.
Total Rainfall from Jan. 1st to February 7 0·994.
Barometers corrected to 32° Fah. and Mean Sea Level.

Stations.	wt	M	9	3	R'fall
Casino ..	b	87	55		0
Tent'rfield	o	86	50		0
Clarence .	b	88	64		0
Moree ..	b	95	67		0
Grafton ..	b	90	67		0
Gl n Inn's	o	92	63		0
Inverell..	b	89	56		0
Bourke ..	p	103	79	0·20	
Narrabri .	b	95	—		0
Armidale.	b	71	—		0
Bendem'r	o	84	68		0
Gunned'h	o	95	71		0
C'n'mble	b	97	72		0
Kempsey	.	—	—		—
Walcha..	b	81	46		0
Tamw'rth	b	93	61		0
Coonab'n.	o	95	53		0
P. M'cqrie	b	86	62		0
W'loannia	b	—	—		0
Murr'ndi.	b	86	62		0
Taree ..	b	84	57		0
Cassilis	b	83	66		0
Muss'br'k	b	97	61		0
Dubbo ..	b	93	74		0
Menindie.	g	104	74		0
Singleton	n	89	61		0
Nels'n's B' & 70	b	81	66		0
Mudg	o	95	60		0
Maitland.	b	87	60		0
Hill End.	.	—	—		—
N'wcastle	b	76	64		0
Orange ..	g	82	62		0
Bathurst	g	93	56		0
Forbes ..	g	98	58		0
M.Vict'ria	b	83	67		0
Carcoar .	b	80	65		0
Cond'b'lin	g	82	73		0
Marsdens	c	96	74		0
Picton ..	b	88	59		0
Sydney ..	c	75	64		0
Wentw'th	g	102	74		0
Young ..	g	98	78		0
Woll'g'ng	b	67	55		0
Taralga..	g	92	44		0
[illegible]	o	—	59	0·08	

Stations.	wt	M	9	3	R'fall
Queanbe'an	g	84	63		0
Deniliquin.	r	70	63		[illegible]
Moruya ..	g	75	61		0
Kiandra...	d	81	55	0·02	
Albury ...	d	92	69	0·04	
Bodalla .	g	82	55		0
Cooma	c	90	—		0
Eden	h	75	65		0
[illegible]	b	85	57		0
[illegible]	g	—	77		0
[illegible]	g	90	56		0
[illegible]	d	88	70		0
[illegible]	h	75	60		0

8 29 97 F 92 *Curve showing state of Barometer.*



Fine, wind N. Cloudy, wind E. Thunderstorm, wind S. Raining, wind W.
If it is calm, the symbol is used without the arrow.
Rain smooth, heavy, very heavy.

0 30·00 R 75

--30·09 R 80

30·04 S 66

14 29 89 F 70

R 78

TIME BALL
Drops at 1 p.m. S M T or 2h. 55m. 9·19s. a. m. Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

B 74

C 14 75
PM 0 76
N 1 71
S 2 73
Wg 14 75
CG 42 71
Ma 14 95
E 14 65
Go
WP 28 65

A 67 60 18 13 65
Re 13
P 8 66
M 80
CO 8 87

W E S

Barometers fallen about 0·10 on E coast. For other stations to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. FEB·8 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .... 50·491.
Average for 26 years from Jan. 1st to January 31 3·557.
Total Rainfall from Jan. 1st to February 8 0·994.
Barometers corrected to 32° Fah and Mean Sea Level.

C 30 04 R 9? *Curve showing state of Barometer.*

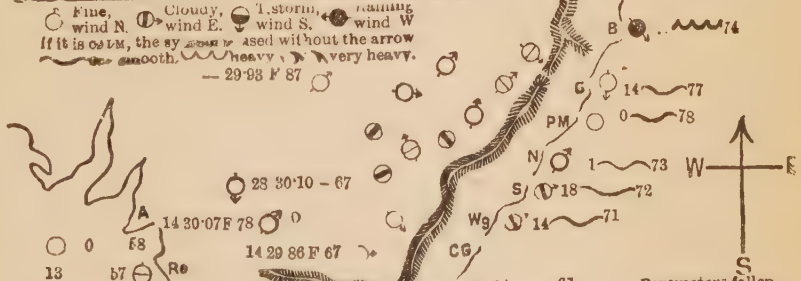
Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining wind W

If it is calm, the sy[illegible] used without the arrow [illegible] smooth, [illegible] heavy [illegible] very heavy.

Stations.	WT	M.X	MN	R'in
Casino ..	c	89	65	0·03
Tent'rfield	g	87	52	0·06
Clarence .	b	87	67	0
Moree ..	b	98	71	0
Grafton ..	b	92	67	0
Gl'n Inn's	g	95	62	0
Inverell.	o	89	59	0
Bourke	b	103	72	0
Narrabri .	b	98	—	0
Armidale.	b	81	—	0
Bendem'r	o	88	63	0
Gunned'h	o	91	75	0
C'n'mble	b	99	72	0
Kempsey	.	—	—	—
Walcha..	b	84	54	0
Tamw'rth	b	95	67	0
Coonab'n.	o	97	53	0
P. M'cqrie	b	83	65	0
W'lcannia	b	--	—	0·86
Murr'ndi .	b	88	60	0
Taree..	b	83	54	0
Cassilis	b	88	70	0
Muss'br'k	b	96	65	0
Dubbo .	g	96	76	0
Menindie.	b	100	70	0
Singleton	o	89	62	0
Nels'n's B'	b	82	65	0
♂ 13 75 Mudg	g	98	59	0
Maitland.	b	86	65	0
Hill End.	g	—	—	0
N'wcastle	b	75	67	0
Orange ..	g	83	59	0
Bathurst	g	89	61	0
Forbes ..	g	79	58	0
M. Vict'ria	c	80	63	0
Carcoar .	.	—	—	..
Cond'b'lin	g	77	68	0
Marsdens	.	—	—	—
Picton ..	g	81	61	0
Sydney ..	c	77	69	0
Wentw'th	b	105	62	0
Young .	g	95	63	0
Woll'g'ng	c	82	44	0
Taralga..	b	87	60	0
Hay ..	b	83	52	0

M'ss V'l	g	84	60	0
Euston	g	—	93	0·10
G'lburn	b	86	-	0
Wagga.	b	80	60	0·26
C Geo'	.	-	—	0

Stations.	WT	M.X	MN	R'in
Queanbe'an	b	74	59	0·03
Deniliquin.	b	85	59	0·03
Moruya ..	b	83	60	0
Kiandra..	b	70	40	0·53
Albury ...	b	84	60	0·05
Bodalla..	b	73	67	0
Cooma	g	79	—	0·22
Eden	b	74	62	0·03



Barometers fallen about 0 03 on E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. FEB 9 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years ..... 50·491.
Average for 26 years from Jan. 1st to January 31 3·537.
Total Rainfall from Jan. 1st to February 9 0·994.
Barometers corrected to 32° Fah. and Mean Sea Level.

STATIONS.	wt	M'x	Mn	R'in
Casino ..	b	89	64	0
Tent'rfield	b	90	53	0
Clarence .	c	89	66	0
Moree ..	b	98	72	0
Grafton ..	g	90	65	0
Gl'n Inn's	o	86	60	0
Inverell.	b	88	57	0
Bourke	b	104	70	0
Narrabri .	g	99	—	0
Armidale.	b	80	—	0
Bendem'r	o	90	65	0
Gunned'h	o	92	74	0·19
C'n'mble	b	100	77	0
Kempsey	.	—	—	—
Walcha..	c	79	52	0·20
Tamw'rth	b	96	69	0
Coonab'n.	b	96	70	0
P. M'cqrie	c	83	64	0
W'lcannia	.	—	—	—
Murr'ndi .	b	86	69	0
Taree. .	b	84	62	0
Cassilis	b	83	78	0
Muss'br'k	b	96	65	0
Dubbo .	b	94	73	0
Menindie.	b	96	76	0
Singleton	o	90	32	0
Nels'n's B	b	84	67	0
Mudg	c	93	62	0
Maitland.	b	90	69	0
Hill End.	.	—	—	—
N'wcastle	b	76	65	0
Orange ..	b	79	60	0
Bathurst	b	90	67	0
Forbes ..	b	82	62	0
M. Vict'ria	b	80	60	0
Carcoar .	b	81	69	0
Cond'b'lin	b	82	70	0
Marsdens	b	93	72	0
Picton ..	c	82	64	0
Sydney ..	b	76	68	0
Wentw'th	b	100	68	0
Young ..	b	99	65	0
Woll'g'ng	b	82	62	0
Taralga..	b	90	58	0
Hay ...	b	102	59	0

M'ss V'l	g	84	60	0
Euston	b	—	66	0
G'lburn	b	95	66	0
Wagga.	b	93	65	0
C Geo'.	b	73	61	0

Stations.	WT	M.X	Mn	R'in
Queanbe'an	b	85	61	0
Deniliquin.	b	98	63	0
Moruya ...	o	75	62	0
Kiandra..	b	81	67	0
Albury	b	97	65	0
Bodalla..	b	82	62	0
Cooma	b	91	—	0
Eden	b	75	66	0

Curve showing state of Barometer.

Fine, wind N. Cloudy, wind E. Pistorm, wind S. Raining wind W

If it is CALM, the sy[illegible] used without the arrow.

[illegible] smooth, heavy, very heavy.

28 30·01 R 83

TIME BALL
Drops at 1 p.m. S M T or 2h.55m.9·19s.a.m. Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers risen about 0 10 on E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. FEB. 11 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

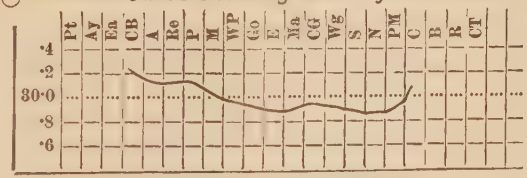
Average Annual Rainfall for 25 years ..... 50·491.
Average for 26 years from Jan. 1st to January 31 3·537.
Total Rainfall from Jan. 1st to February 11 0·994.
Barometers corrected to 32° Fah. and Mean Sea Level.

STATIONS.	wt	M'x	Vn	R'fall
Casino ..	b	87	58	0
Tent'rfield	b	82	50	0
Clarence .	b	84	63	0
Moree ..	o	98	67	0
Grafton ..	b	83	60	0·03
Gl n Inn's	g	92	65	0
Inverell..	b	89	57	0
Bourke	g	102	75	0·11
Narrabri .	b	95	—	0
Armidale.	o	76	—	0
Bendem'r	o	87	66	0
Gunned'h	b	92	69	0
C'n'mble	.	—	—	—
Kempsey	.	—	—	—
Walcha..	o	82	49	0
Tamw'rth	o	93	60	0
Coonab'n.	b	94	60	0
P. M'cqrie	b	83	65	0
W'lcannia	.	—	—	—
Murr'ndi .	b	88	63	0
Taree..	b	88	61	0
Cassilis	b	89	52	0
Muss'br'k	b	98	65	0
Dubbo ..	b	94	71	0
Menindie.	.	—	—	—
Singleton	o	94	67	0
Nels'n's B.	b	84	66	0
Mudg	b	99	59	0
Maitland.	b	91	64	0
Hill End.	.	—	—	—
N'wcastle	b	86	65	0
Orange ..	b	83	62	0
Bathurst	b	93	64	0
Forbes ..	g	103	70	0
M. Vict'ria	.	—	—	—
Carcoar .	.	—	—	—
Cond'b'lin	q	81	73	0
Marsdens	.	—	—	—
Picton ..	b	92	66	0
Sydney ..	b	79	66	0
Wentw'th	.	—	—	—
Young ..	g	102	65	0
Woll'g'ng	c	82	62	0
Taralga..	b	97	44	0
Hay	b	107	48	0

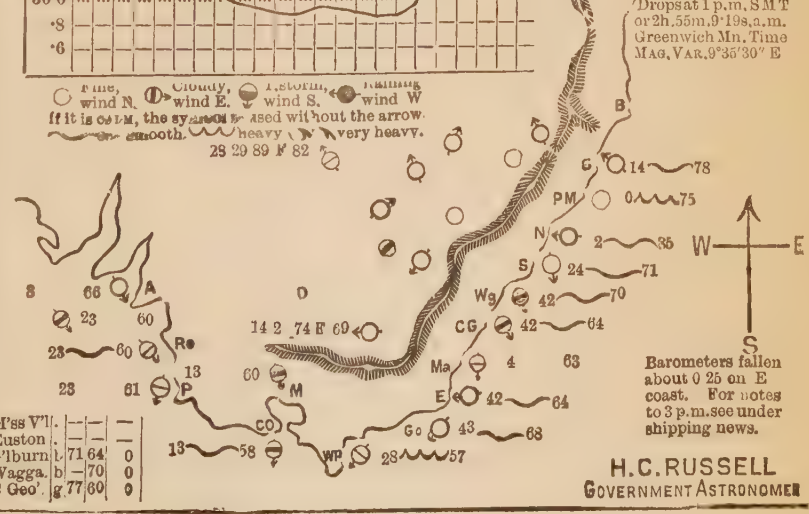
Stations.	wt	M'x	Vn	R'fall
Queanbe'an	b	90	60	0
Deniliquin.	.	—	—	—
Moruya	g	75	63	0
Kiandra..	b	86	50	0
Albury	b	103	63	0
Bodalla..	g	85	52	0
Cooma	c	94	—	0
Eden	b	78	63	0
M'ss V'll.	.	—	—	—
Euston ..	.	—	—	—
G'lburn	b	71	64	0
Wagga.	b	—	70	0
C Geo'.	g	77	60	0

0 30·08 R 30

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W
If it is calm, the symbol is used without the arrow.
Smooth. heavy very heavy.



Barometers fallen about 0 25 on E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. FEB. 12 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 25 years ..... 50·491.
Average for 26 years from Jan. 1st to January 31 3·537.
Total Rainfall from Jan. 1st to February 12 1·004.
Barometers corrected to 32° Fah. and Mean Sea Level.

Curve showing state of Barometer.

Pt Ay Ea CB A Re P M WP Go E Ma CG Wg S N PM C B B CT

Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining wind W
If it is calm, the symbol is used without the arrow.
Smooth, heavy, very heavy.

Stations.	wt	M,x	m	R'in
Queanbe'an	g	82	54	0
Deniliquin.	b	85	48	0
Moruya	c	68	55	0
Kiandra...	b	84	41	0
Albury	b	91	57	0
Bodalla..	b	69	56	0
Cooma	b	78	—	0
Eden	b	74	68	0

Stations.	wt	M'x	m'n	R'in
Casi...	c	98	67	0
Fent'rfield	.	—	—	—
Clarence .	g	89	68	0
Moree ..	o	92	55	0·37
Grafton ..	g	97	64	0
Gl n Inn's	.	—	—	—
Inverell.	b	88	59	0
Bourke	b	103	72	0·08
Narrabri .	o	99	—	0·55
Armidale.	g	63	—	0·07
Bendem'r	c	89	60	0·10
Gunned'h	b	98	62	0·10
C'n'mble	o	102	69	0·05
Kempsey	.		—	—
Walcha..	c	84	54	0·24
Tamw'rth	o	97	63	0·04
Coonab'n.	b	98	60	0·05
P. M'cqrie	g	81	65	0
W'lcannia	.	—	—	—
Murr'ndi.	c	88	65	0·33
Taree...	g	96	66	0
Oassilis	g	90	65	0·31
Muss'br'k	d	105	61	0·19
Dubbo .	.	—	—	—
Menindie.	.	—	—	—
Singleton	g	83	65	0·01
Nels'n's B	r	96	63	0·10
34 63				
Mudg	g	100	56	0
Maitland.	g	92	63	0
Hill End.	.	—	—	—
N'wcastle	r	87	60	0·13
Orange ..	b	86	55	0
Bathurst	b	83	73	0
Forbes ..	b	96	63	0
M. Vict'ria	.	—	—	—
Carcoar .	.	—	—	—
Cond'b'lin	b	76	68	0
Marsdens	b	94	66	0
Picton ..	d	04	59	0.01
Sydney ..	g	74	62	0·10
Wentw'th	.	—	—	—
Young ..	b	103	55	0
Woll'g'ng	d	73	56	0
Taralga..	c	72	50	0
Hay	b	108	42	0

M'ss V'l	d	69	52	0
Euston	b	75	53	0
G'lburn	g	77	60	0
Wagga.	b	92	59	0
C Geo'.		—	—	—

TIME BALL
Drops at 1 p.m, S M T or 2h.55m.9·19s,a.m. Greenwich Mn. Time
Mag, Var. 9°35′30″ E

Barometers risen about 0·30 on E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
Government Astronomer

WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. FEB. 13 1884

Sydney Observatory.

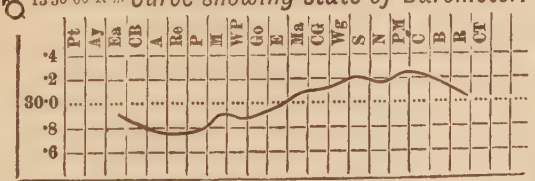
Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years ..... 50·491.
Average for 26 years from Jan. 1st to January 31 3·537.
Total Rainfall from Jan. 1st to February 13 1·004.
Barometers corrected to 32° Fah. and Mean Sea Level.

STATIONS.	wt	M'x	Vn	R'in
Casino ..	b	83	65	0
Tent'rfield	g	88	75	0
Clarence .	b	86	69	0·54
Moree ..	b	91	69	0
Grafton ..	p	86	60	0
Gl n Inn's	g	85	58	0
Inverell.	b	89	59	0
Bourke	b	103	77	0
Narrabri .	b	91	—	0
Armidale.	b	72	—	0
Bendem'r	b	81	65	0
Gunned'h	b	95	72	0
C'n'mble	b	95	75	0
Kempsey	.	—	—	—
Walcha..	b	75	54	0
Tamw'rth	b	91	66	0
Coonab'n.	b	91	58	0
P. M'cqrie	b	80	69	1·18
W'lcannia	.	—	—	—
Murr'ndi.	b	81	65	0
Taree...	b	76	68	0
Cassilis	b	76	65	0
Muss'br'k	b	80	69	0
Dubbo ..	b	85	67	0
Menindie.	b	94	71	0
Singleton	b	77	66	0
Nels'n's B'	b	84	67	0·02
13 65 Mudg	b	85	60	0
Maitland.	b	76	63	0
Hill End.	.	—	—	—
N'wcastle	b	78	63	0·02
Orange ..	b	75	57	0
Bathurst	b	82	53	0
Forbes ..	b	94	69	0
M. Vict'ria	b	69	55	0·05
Carcoar .	b	71	67	0
Cond'b'lin	b	80	68	0
Marsdens	b	93	69	0
Picton ..	c	70	60	0·02
Sydney ..	c	74	66	0
Wentw'th	b	98	65	0
Young ..	b	92	64	0
Woll'g'ng	b	77	60	0
Taralga..	b	75	53	0
Hay ...	b	98	52	0

Stations.	WT	M.X	Vn	R'in
Queanbe'an	b	73	58	0
Deniliquin.	b	76	58	0
Moruya	b	72	62	0
Kiandra..	c	76	52	0
Albury ...	b	92	66	0
Bodalla..	b	74	59	0
Cooma	b	81	—	0
Eden . ..	.	—	—	—

13 30·00 R 9: *Curve showing state of Barometer.*

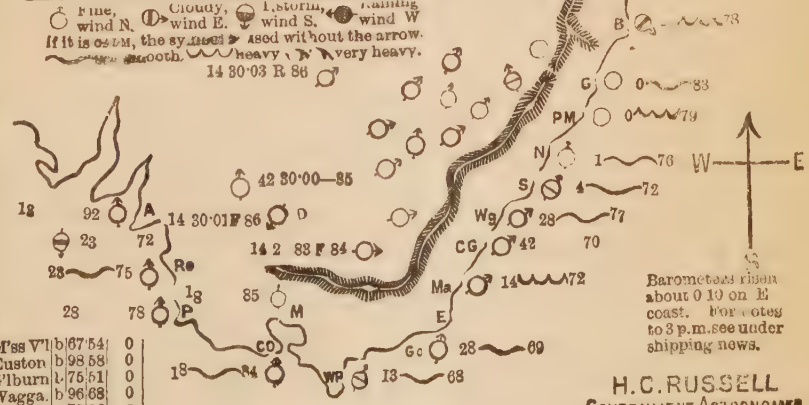


Fine, wind N. Cloudy, wind E. Thunderstorm, wind S. Raining wind W

If it is 0 A.M., the symbol is used without the arrow.

smooth. heavy very heavy.

14 30·03 R 86



TIME BALL
Drops at 1 p.m. S M T
or 2h 55m 9·10s a.m.
Greenwich Mn. Time
Mag. Var. 9 30′ E

Barometers risen about 0 10 on E coast. For notes to 3 p.m. see under shipping news.

M'ss V'l	b	67	54	0
Euston	b	98	58	0
G'lburn	b	75	51	0
Wagga.	b	96	68	0
C Geo'.	b	70	56	0

H. C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. FEB. 14 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 25 years ..... 50·491.
Average for 26 years from Jan. 1st to January 31 3·537.
Total Rainfall from Jan. 1st to February 14 1·004.
Barometers corrected to 32° Fah. and Mean Sea Level.

Curve showing state of Barometer.

STATIONS.	wt	M'x	Mn	R'fn
Casino ..	.	—	—	—
Tent'rfield	.	—	—	—
Clarence .	o	91	66	0
Moree ..	o	95	69	0
Grafton ..	b	89	61	0
Gl'n Inn's	.	—	—	—
Inverell..	b	89	58	0
Bourke ..	o	103	77	0
Narrabri .	b	89	48	0
Armidale.	b	80	—	0
Bendem'r	b	84	64	0
Gunned'h	o	98	72	0
C'n'mble	b	94	61	0
Kempsey	.	..	—	—
Walcha..	.	—	—	—
Tamw'rth	o	95	64	0
Coonab'n.	b	95	59	0
P. M'cqrie	b	89	67	0
W'lcannia	.	—	—	—
Murr'ndi.	o	86	70	0
Taree..	.	—	—	—
Cassilis	b	87	66	0
Muss'br'k	b	98	65	0
Dubbo ..	o	92	70	0
Menindie.	b	107	84	0
Singleton	b	94	69	0
Nels'n's B.	b	96	77	0
Mudg	b	98	60	0
Maitland.	b	90	67	0
Hill End.	.	—	—	—
N'wcastle	b	80	67	0
Orange ..	b	85	60	0
Bathurst	b	96	58	0
Forbes ..	b	97	73	0
M. Vict'ria	b	84	76	0
Carcoar .	b	82	60	0
Cond'b'lin	b	85	74	0·05
Marsdens	b	82	67	0
Picton ..	o	85	60	0·05
Sydney ..	b	82	67	0
Wentw'th	t	112	76	0
Young ..	g	97	68	0
Woll'g'ng	b	83	62	0
Taralga..	o	70	35	0
Hay	g	106	65	0

Stations.	WT	M.X	Mn	R'fn
Queanbe'an	b	88	60	0
Deniliquin.	b	107	80	0
Moruya	b	75	62	0
Kiandra...	b	83	52	0
Albury	g	76	—	0
Bodalla..	g	87	55	0
Cooma	b	86	—	0
Eden	b	79	64	0
M'ss V'l	b	86	64	0
Euston	b	—	76	0
G'lburn	b	98	58	0
Wagga.	b	—	76	0·02
C Geo'.	b	81	61	0

Pt Ay Ea CB A Ho P M WP Go E Ma CG Ws S N PM C B R CT

Fine, wind N. Cloudy, wind E. Thunderstorm, wind S. Raining, wind W
If it is calm, the symbol is used without the arrow.
Smooth, heavy, very heavy.

TIME BALL
Drops at 1 p.m. SMT or 2h.55m.9·19s.a.m. Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers fallen about 0·10 on E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. FEB. 15 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 25 years ..... 50·491.
Average for 26 years from Jan. 1st to January 31 3·857.
Total Rainfall from Jan. 1st to February 15 1·011.
Barometers corrected to 32° Fah. and Mean Sea Level.

13 29·99 R 93 *Curve showing state of Barometer.*

Pt Ay Ea CB A Re P M WP Go E Ma CG WG S N PM C B B CT

·4 ·2 30·0 ·8 ·6

Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining wind W

If it is calm, the symbol is used without the arrow.

Smooth heavy very heavy.

0 30·01 F 92

TIME BALL Drops at 1 p.m. S.M.T. or 2h.55m.9·19s.a.m. Greenwich Mn. Time MAG. VAR. 9°35′30″ E

Barometers risen about 0·20 on E coast. For notes to 3 p.m. see under shipping news.

H.C. RUSSELL
GOVERNMENT ASTRONOMER

STATIONS.	wt	m'x	m'n	a'fn
Casino ..	b	92	57	0
Tent'rfield	b	88	59	0
Clarence ..	b	90	64	0
Moree ..	b	97	55	0
Grafton ..	b	95	63	0
Gl n Inn's	b	95	57	0
Inverell..	b	88	62	0
Bourke ..	b	98	77	0
Narrabri .	b	95	—	0
Armidale.	b	81	—	0
Bendem'r	b	94	62	0
Gunned'h	b	98	75	0
C'n'mble	b	95	70	0
Kempsey	.	—	—	—
Waloha..	b	79	49	0·19
Tamw'rth	b	97	66	0
Coomab'n.	b	94	67	0
P. M'oqrie	b	77	65	0
W'lcannia	.	—	—	—
Murr'ndi.	b	93	70	0
Tocce..	b	96	64	0
Casellis	b	92	72	0
Muss'br'k	b	106	68	0
Dubbo ..	b	97	78	0
Menindie.	b	107	80	0
Singleton	g	100	70	0
Nels'n's P.	g	89	67	0
8 67				
Mudg	b	101	66	0
Maitland.	g	99	68	0
Hill End.	.	—	—	—
N'wcastle	c	86	67	0
Orange ..	b	82	64	0
Bathurst	g	94	62	0
Forbes ..	b	103	79	0
M.Vict'ria	b	86	76	0
Carcoar .	b	85	70	0
Cond'b'lin	b	88	75	0
Marsdens	b	100	70	0
Picton ..	c	92	62	0·01
Sydney ..	d	88	67	0·01
Wentw'th	t	102	71	0
Young ..	b	104	71	0
Woll'g'ng	c	85	65	0·04
Taralga..	g	95	37	0
Hay	p	105	54	0

Stations.	wt	m'x	m'n	a'fn
Queanbe'an	g	93	57	0
Deniliquin.	b	100	58	0
Moruya ..	g	81	61	0·11
Kiandra...	b	81	58	0·07
Albury	b	95	71	0
Bodalla..	g	90	60	0·17
Cooma	b	94	—	0·23
Eden	p	81	62	0·36

M'ss V'l.	—	—	—	
Euston	b	68	0	
G'lburn	b	—	56	0·02
Wagga.	b	—	74	0
C Geo'.		68	69	0·04

WEATHER MAP.

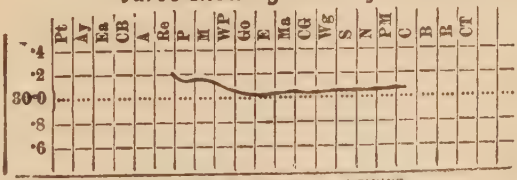
From TELEGRAMS for 9 A.M. & 3 P.M. FEB. 16 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 26 years ..... 50·491.
Average for 26 years from Jan. 1st to January 31 3·537.
Total Rainfall from Jan. 1st to February 16 1·048.
Barometers corrected to 32° Fah. and Mean Sea Level.

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T.Storm, wind S. Raining wind W
If it is calm, the symbol is used without the arrow.
Smooth, heavy, very heavy.

0 29·96 F 96

Stations.	wt	M'x	Mn	R'in
Casino ..	b	93	60	0
Fent'rfield	b	82	61	0
Clarence .	b	89	67	0
Moree ..	b	98	73	0
Grafton ..	b	94	72	0
Gl n Inn's	b	96	63	0·02
Inverell..	b	87	64	0
Bourke ..	b	107	81	0
Narrabri .	b	98	—	0
Armidale.	b	81	—	0
Bendem'r	b	93	75	0
Gunned'h	b	102	75	0
C'n'mble	b	101	80	0
Kempsey	.	—	—	—
Walcha..	b	82	59	0·12
Tamw'rth	b	101	71	0
Coonab'n.	b	102	64	0
P. M'cqrie	b	76	69	0
W'lcannia	.	—	—	—
Murr'ndi.	b	90	73	0
Taree..	g	85	70	0·10
Cassilis	b	93	72	0
Muss'br'k	b	99	63	0
Dubbo ..	b	100	78	0
Menindie.	.	—	—	0
Singleton	g	88	70	0·02
Nels'n's B.	b	90	66	0·04
Mudg	b	100	62	0
Maitland.	g	90	70	0
Hill End.	.	—	—	—
N'wcastle	b	78	67	0
Orange ..	b	90	61	0
Bathurst	b	95	60	0
Forbes ..	b	106	64	0
M. Vict'ria	g	85	73	0·06
Carcoar .	b	88	72	0
Cond'b'lin	t	85	73	0
Marsdens	b	103	78	0
Picton ..	g	84	67	0
Sydney ..	c	77	69	0
Wentw'th	.	—	—	0·04
Young ..	b	108	68	—
Woll'g'ng	b	81	65	0
Taralga..	b	85	38	0
Hay	b	98	58	0

Stations.	WT	M, x	Mn	R'in
Queanbe'an	b	92	62	0
Deniliquin.	.	—	—	
Moruya	g	76	63	0·02
Kiandra ..	b	85	50	0
Albury	b	100	61	0
Bodalla..	g	79	61	0
Cooma	c	92	—	0
Eden	.	—	—	—

M'ss V'll	g	83	60	0
Euston	.	—	—	—
G'lburn	g	85	60	0
Wagga.	b	—	96	0
C Geo'.	t	77	63	0

TIME BALL.
Drops at 1 p.m. SMT
or 2h.55m,9·19s,a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers fallen about 0·10 on E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. FEB. 18 1884

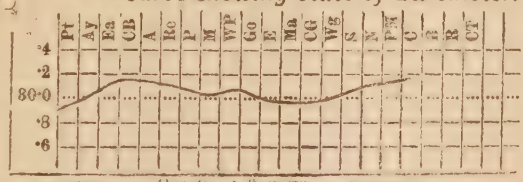
Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years . . . . . 50·491.
Average for 26 years from Jan. 1st to January 31 3·537.
Total Rainfall from Jan. 1st to February 18 1·228.
Barometers corrected to 32° Fah and Mean Sea Level.

8 30·05 R 98

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T.storm, wind S. Rain, wind W

If it is calm, the symbol is used without the arrow.

smooth. heavy. very heavy.

14 30·02 R 91

TIME BALL
Drops at 1 p.m. S M T
or 2h.55m.9·19s.a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers fallen about 0 10 on E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

STATIONS.	wt	M'x	Mn	R'in
Casino ..	b	91	59	0
Tent'rfield	.	-	—	—
Clarence .	b	95	70	0
Moree ..	b	83	73	0
Grafton ..	b	85	62	0
Gl'n Inn's	b	96	57	0
Inverell.	b	89	50	0
Bourke .	b	112	83	0
Narrabri .	b	99	—	0
Armidale.	b	82	—	0
Bendem'r	b	87	62	0
Gunned'h	b	99	75	0
C'r'mble	b	101	73	0
Kempsey	.		—	—
Walcha..	b	80	52	0
Tamw'rth	b	97	67	0
Coonab'n.	b	99	65	0
P. M'cqrie	b	83	65	0
W'lcannia	.	—	—	—
Murr'ndi .	g	95	70	0
Taree..	.	—	—	—
Cassilis	b	91	69	0
Muss'br'k	.	—	—	—
Dubbo .	b	101	73	0
Menindie.	b	107	85	0
Singleton	b	89	67	0
Nels'n's B'	b	95	65	0
13 70 Mudg	b	78	66	0
Maitland.	b	90	65	0
Hill End.	.	—	—	—
N'wcastle	.	—	—	—
Orange ..	.	—	—	—
Bathurst	b	97	60	0
Forbes ..	b	104	78	0
M. Vict'ria	b	78	72	0·09
Carcoar .	b	88	71	0
Cond'b'lin	b	86	75	0
Marsdens	b	101	69	0
Picton ..	b	84	57	0·03
Sydney ..	b	78	66	0·18
Wentw'th	g	105	75	0
Young .	c	103	75	0
Woll'g'ng	b	80	62	0
Taralga..	.	—	—	—
Hay — —	b	109	5	0

M'ss V'l	b	72	58	0
Euston	b	107	74	0
G'lburn	b	90	56	0
Wagga.	b	99	66	0
C Geo'.	b	99	62	0

Stations.	WT	M,X	Mn	R'in
Queanbe'an	b	84	62	0
Deniliquin.	g	104	65	0
Moruya	b	75	62	0
Kiandra..	b	88	50	0
Albury	b	101	58	0
Bodalla..	b	81	55	0
Cooma	g	91	5	0
Eden	b	74	54	0

WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. FEB. 19 1884

Sydney Observatory.

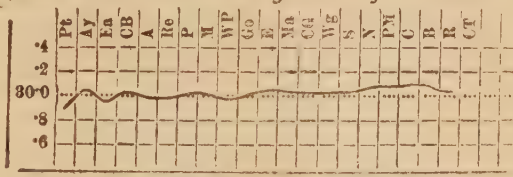
Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .... 50·491.
Average for 26 years from Jan. 1st to January 31 3·537.
Total Rainfall from Jan. 1st to February 19 1·308.
Barometers corrected to 32° Fah and Mean Sea Level.

Stations.	wt	M'v	V	R'in
Casino .	b	96	60	0
Tent'rfield	o	91	59	0
Clarence .	c	93	68	0
Moree ..	o	99	73	0
Grafton ..	b	97	69	0
Gl'n Inn's	b	93	55	0
Inverell.	b	90	57	0
Bourke	o	108	81	0
Narrabri .	b	98	—	0
Armidale.	b	79	—	0·07
Bendem'r	b	90	61	0
Gunned'h	c	101	75	0
C'n'mble	b	102	88	0·75
Kempsey	.		—	—
Walcha..	b	84	53	0
Tamw'rth	o	96	70	0
Coonab'n.	b	99	68	0
P. M'cqrie	b	83	65	0
W'lcannia	u	—	—	0
Murr'ndi .	c	93	74	0
Taree..	b	84	66	0
Cassilis	u	94	72	0·29
Muss'br'k	b	104	71	0
Dubbo .	g	100	75	0·30
Menindie.	b	109	—	0
Singleton	.	—	—	—
Nels'n's B	o	89	61	0
8 71 Mudg	c	104	64	0·40
Maitland.	u	94	71	0
Hill End.	b	—	—	0·18
N'wcastle	g	81	68	0
Orange ..	b	91	60	0·10
Bathurst	c	96	65	0·26
Forbes ..	b	105	73	0
M. Vict'ria	g	75	67	0·32
Carcoar .	b	87	61	0·17
Cond'b'lin	t	83	77	0·05
Marsdens	.	—	—	—
Picton ..	u	90	65	0
Sydney ..	d	81	70	0·08
Wentw'th	b	103	68	0
Young .	.	—	—	—
Woll'g'ng	g	84	65	0·10
Taralga..	b	96	82	0
Hay ..	o	111	78	0

Stations.	wt	M'v	V	R'in
Queanbe'an	b	92	66	0·21
Deniliquin.	o	105	60	0
Moruya ..	g	81	67	0
Kiandra..	b	91	55	0
Albury ...	b	102	58	0
Bodalla .	g	100	65	0·12
Cooma	u	96	58	0·22
Eden ..	u	79	66	0

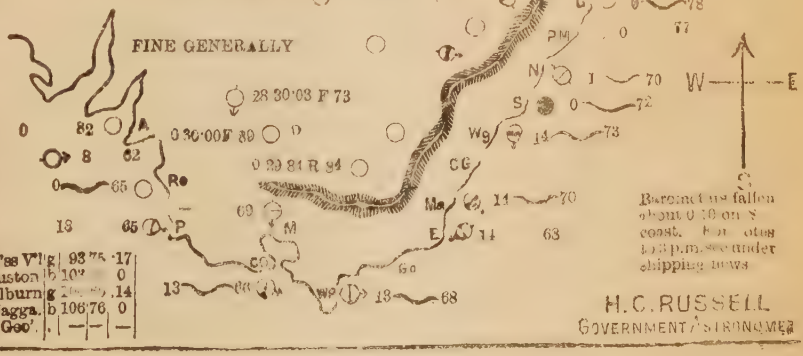
23 29·98 F 92 *Curve showing state of Barometer.*



Fine. Cloudy, Rain. wind R. wind E. wind S. wind W

If it is calm, the sy[illegible] used without the arrow [illegible] smooth. [illegible] heavy [illegible] very heavy.

14 29·93 F 92



Barometers fallen about 0·10 on S coast. For notes to 3 p.m. see under shipping news.

M'ss V'l	g	93	75	·17
Euston	b	10[illegible]		0
G'lburn	g	[illegible]		.14
Wagga.	b	106	76	0
C Geo'.	.	—	—	—

H. C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. FEB. 20 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 25 years ..... 50·491.
Average for 26 years from Jan. 1st to January 31 3·537.
Total Rainfall from Jan. 1st to February 20 1·308.
Barometers corrected to 32° Fah. and Mean Sea Level.

STATIONS.	wt	M'x	Vn	R'in
Casino .	b	93	63	0
Pent'rfield	b	89	57	0
Clarence .	b	93	67	0
Moree ..	b	93	70	0
Grafton ..	b	96	68	0
Glen Inn's	b	89	58	0
Inverell.	b	90	58	0·15
Bourke	b	106	83	0
Narrabri .	b	101	—	0
Armidale.	b	80	—	0
Bendem'r	b	89	65	0
Gunned'h	m	101	76	0
C'n'mble	t	96	72	0
Kempsey	.		—	—
Walcha..	b	81	50	0
Tamw'rth	b	98	67	0
Coonab'n.	b	99	63	0
P. M'cqrie	m	85	64	0
W'lcannia	b	—	—	0
Murr'ndi .	b	89	65	0
Taree...	b	86	68	0
Cassilis	b	88	8	0
Muss'br'k	b	94	65	0
Dubbo ..	b	94	74	0
Menindie.	b	107	85	0
Singleton	b	89	63	0
Nels'n's B'	b	92	65	0·01
18 71 Mudg	b	100	63	0
Maitland.	b	88	65	0
Hill End.	b	—	—	0
N'wcastle	b	73	66	0
Orange ..	b	86	60	0
Bathurst	b	89	60	0
Forbes ..	b	104	68	0
M. Vict'ria	b	80	61	0
Carcoar .	b	85	69	0
Cond'b'lin	c	79	70	0·24
Marsdens	b	99	75	0·05
Picton ..	c	83	59	0
Sydney ..	b	80	68	0
Wentw'th	b	102	69	0
Young ..	b	106	64	1·82
Woll'g'ng	b	83	59	0
Taralga..	b	90	65	0
Hay — —	b	101	89	0

Stations.	wt	M'x	Vn	R'in
Queanbe'an	b	86	64	0
Deniliquin.	b	106	62	0
Moruya ..	c	76	66	0
Kiandra..	b	91	51	0
Albury ...	c	105	73	0
Bodalla..	b	89	66	0
Coonia	g	92	57	0
Eden . ..	c	79	68	0

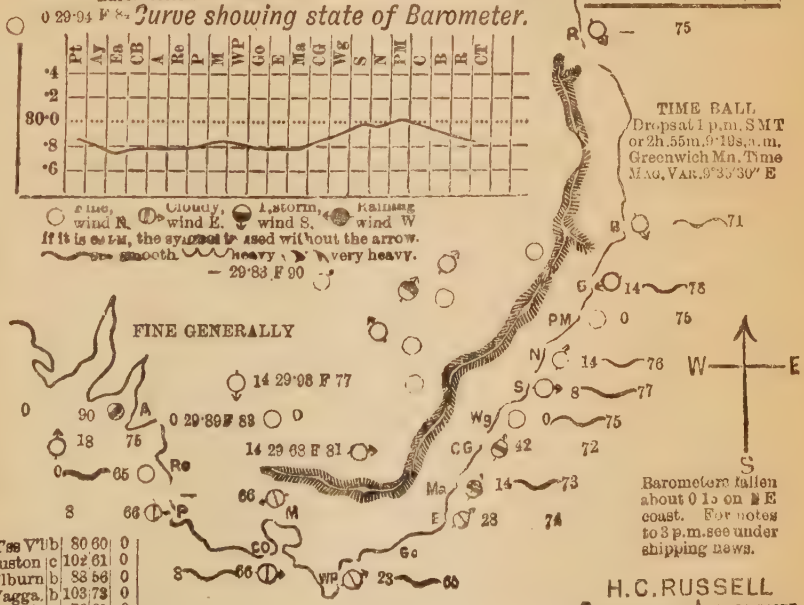
0 29·94 F 8 *Curve showing state of Barometer.*

Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining wind W

If it is calm, the symbol is used without the arrow.

smooth heavy very heavy.

— 29·83 F 90



Barometers fallen about 0·15 on E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

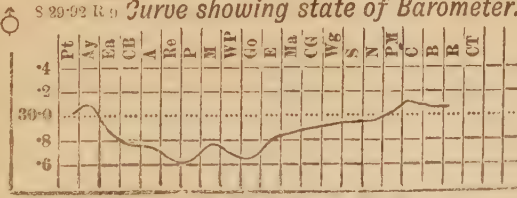
From TELEGRAMS for 9 A.M. & 3 P.M. FEB. 21 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years ..... 50·491.
Average for 26 years from Jan. 1st to January 31 3·537.
Total Rainfall from Jan. 1st to February 21 1·393.
Barometers corrected to 32° Fah and Mean Sea Level.

S 29·92 R 9 *Curve showing state of Barometer.*



Fine, wind N. Cloudy, wind E. Rain, wind S. Thunder, wind W
If it is calm, the symbol is used without the arrow.
Smooth Heavy Very heavy.

14 29·90 R 90

FINE GENERALLY

28 29·82 F 80

14 29·85 F 91

0 29·69 R 81

TIME BALL
Dropped 1 p.m. S M T
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers fallen about 0·10 on S E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

STATIONS.	wt	M'x	m'n	R'in
Casino .	b	92	56	0
Kent'rfield	b	90	62	0
Clarence .	b	90	67	0
Moree ..	o	97	70	0
Grafton ..	b	95	65	0
Gl'n Inn's	b	92	59	0
Inverell.	b	91	59	0
Bourke ..	o	94	74	0·35
Narrabri .	b	96	—	0
Armidale.	b	79	—	0
Bendem'r	b	90	66	0
Gunned'h	b	100	75	0
C'n'mble	.	—	—	—
Kempsey	.	—	—	—
Walcha .	o	83	47	0
Tamw'rth	c	97	65	0
Coonab'n.	b	95	59	0
P. M'cquarie	m	84	61	0
W'lcannia	u	—	—	0
Murr'ndi.	b	92	75	0
Taree..	b	90	60	0
Cassilis	c	92	73	0
Muss'br'k	b	98	67	0
Dubbo ..	g	95	73	0
Menindie.	c	109	86	0
Singleton	b	95	70	0
Nels'n's B	b	89	65	0
23 69				
Mudg	b	102	62	0
Maitland.	b	92	60	0
Hill End.	b	—	—	0
N'castle	b	80	65	0
Orange ..	c	89	62	0
Bathurst	g	92	61	0
Forbes ..	c	105	74	0
M. Vict'ria	c	82	70	0
Carcoar .	.	—	—	—
Cond'b'lin	t	86	78	0
Marsdens	b	99	61	0·01
Picton ..	c	91	61	0·54
Sydney ..	t	80	68	0·09
Wentw'th	b	109	75	0
Young ..	u	97	70	0
Woll'g'ng	b	83	43	0·07
Taralga..	b	91	32	0
Hay — —	b	109	61	0

Stations.	wt	M,x	m	R'in
Queanbe'an	b	91	68	0
Deniliquin.	o	107	64	0
Moruya	m	78	64	0
Kiandra..	b	90	50	0
Albury ...	b	104	71	0
Bodalla..	b	87	58	0
Cooma	c	98	58	0
Eden	b	78	66	0

M'ss V'll	b	88	66	0
Euston	b	110	70	0
G'lburn	b	100	64	0
Wagga.	b	102	78	·04
C Geo'.	c	76	63	0

WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. FEB. 22 1884

Sydney Observatory.

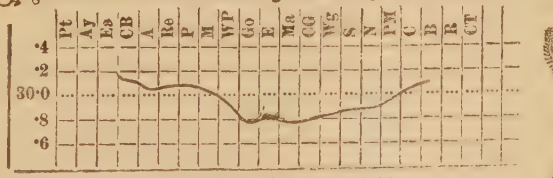
Lat. 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 25 years 50·491.
Average for 26 years from Jan. 1st to January ·31 3·537.
Total Rainfall from Jan. 1st to February 22 1·393.
Barometers corrected to 32° Fah. and Mean Sea Level.

STATIONS.	wt	M'x	Mn	R'in
Casino .	b	96	57	0
Tent'rfield	b	92	61	0
Clarence .	b	90	66	0
Moree ..	o	99	73	0
Grafton ..	b	99	67	0
Gl'n Inn's	b	95	56	0
Inverell.	b	90	58	0
Bourke	o	104	81	0
Narrabri .	b	98	—	0
Armidale.	b	80	—	0
Bendem'r	b	90	64	0
Gunned'h	m	100	74	0
C'n'mble	b	100	81	0
Kempsey	.		—	—
Walcha..	b	83	50	0
Tamw'rth	b	97	66	0
Coonab'n.	b	100	60	0
P. M'cqrie	m	80	63	0
W'cannia	o	—	—	0
Murr'ndi .	b	94	74	0
Taree..	b	92	63	0
Cassilis	b	93	69	0
Muss'br'k	b	103	69	0
Dubbo .	b	97	76	0
Menindie.	b	110	83	0
Singleton	b	90	72	0
Nels'n's B	b	87	65	0
— —				
Mudg	b	102	62	0
Maitland.	b	96	69	0
Hill End.	b	—	—	0
N'wcastle	b	83	69	0
Orange ..	b	89	62	0
Bathurst	b	94	62	0
Forbes ..	b	101	63	0
M. Vict'ria	b	87	70	0
Carcoar .	b	85	65	0
Cond'b'lin	b	88	75	0
Marsdens	b	100	79	0·15
Picton ..	m	89	56	0
Sydney ..	b	85	69	0
Wentw'th	c	111	75	0
Young ..	b	101	70	0
Woll'g'ng	b	81	62	0
Taralga..	b	96	41	0
Hay	b	113	67	0

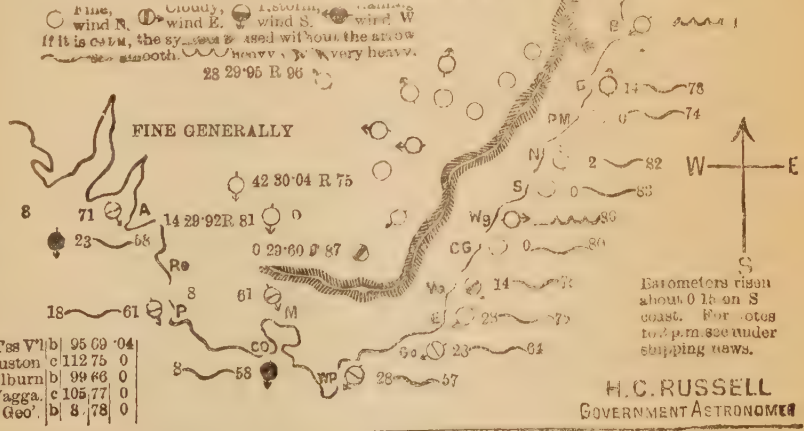
Stations.	wt	M'x	Mn	R'in
Queanbe'an	b	95	69	0
Deniliquin.	c	114	66	0
Moruya . .	g	78	65	0
Kiandra .	c	90	56	0
Albury ...	c	108	79	0
Bodalla .	c	91	60	0
Cooma . .	g	100	2	0
Eden	c	80	67	0

8 30·01 R 9 *Curve showing state of Barometer.*



Fine, wind N. Cloudy, wind E. Rain, wind S. Hail, wind W.
If it is calm, the sy[illegible] used without the arrow [illegible] smooth. [illegible] heavy, [illegible] very heavy.

28 29·95 R 96



Barometers risen about 0·15 on S coast. For notes to 3 p.m. see under shipping news.

M'ss V'l	b	95	69	·04
Euston	c	112	75	0
G'lburn	b	99	66	0
Wagga.	c	105	77	0
C Geo'.	b	8	78	0

H. C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. FEB. 23 1884

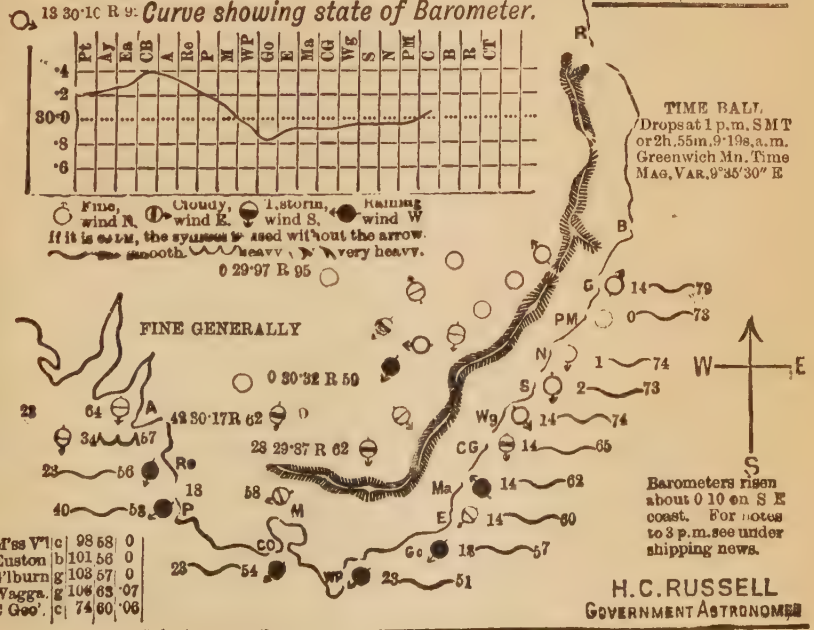
Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 25 years .... .. 50·491.
Average for 26 years from Jan. 1st to January 31 3·537.
Total Rainfall from Jan. 1st to February 23 1·393.
Barometers corrected to 32° Fah and Mean Sea Level.

Stations.	wt	M'x	vn	R'in
Casino ..	b	103	70	0
Tent'rfield	o	93	62	0
Clarence .	m	83	68	0
Moree ..	o	106	75	0
Grafton ..	b	102	71	0
Gl n Inn's	b	97	58	0
Inverell..	b	90	65	0
Bourke .	o	108	84	0
Narrabri .	c	104	—	0
Armidale.	b	84	—	0
Bendem'r	b	91	62	0
Gunned'h	.	—	—	—
C'n'mble	.	—	—	—
Kempsey	.		—	—
Walcha..	b	89	55	0
Tamw'rth	b	102	68	0
Coonab'n.	o	106	73	0
P. M'cqrie	m	75	65	0
W'lcannia	u	—	—	0
Murr'ndi .	c	96	76	0
Taree..	m	99	69	0
Cassilis	b	91	74	0
Muss'br'k	b	110	68	0
Dubbo .	b	101	82	0
Menindie.	c	101	66	0
Singleton	b	104	74	0
Nels'n's B'	g	93	65	0
34 66 Mudg	b	106	70	0
Maitland.	b	102	71	0
Hill End.	b	—	—	0
N'wcastle	c	93	66	0
Orange ..	g	91	69	0
Bathurst	c	100	72	0
Forbes ..	c	109	75	0
M. Vict'ria	b	86	74	0
Carcoar .	b	88	80	0·01
Cond'b'lin	g	78	68	0
Marsdens	.	—	—	—
Picton ..	b	96	53	0
Sydney ..	b	92	66	0
Wentw'th	c	97	57	0·01
Young ..	r	105	71	0
Woll'g'ng	b	90	53	0
Taralga..	g	100	62	0
Hay — —	u	101	48	0

Stations.	WT	M,X	VN	R'in
Queanbe'an	g	97	66	0
Deniliquin.	c	95	53	0
Moruya	p	68	61	0·11
Kiandra..	c	93	51	0 27
Albury	u	103	61	0·02
Bodalla..	r	81	59	0·07
Cooma	u	100	60	0·09
Eden	u	76	68	0·15



M'ss V'l	c	98	58	0
Euston	b	101	56	0
G'lburn	g	103	57	0
Wagga.	g	106	63	·07
C Geo'.	c	74	60	·06

H. C. RUSSELL
Government Astronomer

WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. FEB. 25 1884

Sydney Observatory.

Lat. 33° 51′ 41″ S. ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years ... 50·491.
Average for 26 years from Jan. 1st to January 31 3·537.
Total Rainfall from Jan. 1st to February 25 1·393.
Barometers corrected to 32° Fah. and Mean Sea Level.

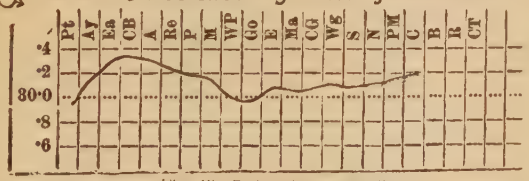
Stations.	wt	M'x	M'n	R'in
Casino ..	b	73	61	0·01
Tent'rfield	u	93	53	0
Clarence .	u	85	64	0
Moree ..	u	97	67	0·07
Grafton ..	u	73	61	0
Gl'n Inn's	u	95	54	0·10
Inverell.	b	92	53	0·02
Bourke	o	92	67	0
Narrabri .	g	104	—	0
Armidale.	r	85	—	0
Bendem'r	u	92	57	0
Gunned'h	u	93	68	0
C'n'mble	b	92	62	0
Kempsey	.		—	—
Walcha..	g	61	52	0
Tamw'rth	.	—	—	—
Coonab'n.	g	89	55	0
P. M'cqrie	b	73	65	0
W'lcannia	b	—	—	0
Murr'ndi.	g	95	62	0
Taree..	g	79	62	0
Cassilis	c	74	63	0
Muss'br'k	b	81	56	0
Dubbo .	u	98	63	0
Menindie.	b	78	60	0
Singleton	b	77	57	0
Nels'n's B	c	76	56	0
23 71 Mudg	g	98	53	0
Maitland.	b	98	59	0
Hill End.	u	—	—	0
N'wcastle	b	74	63	0
Orange ..	u	73	50	0
Bathurst	b	80	41	0
Forbes ..	b	88	50	0
M. Vict'ria	b	75	63	0
Carcoar .	b	85	61	0
Cond'b'lin	b	69	56	0
Marsdens	b	83	61	0
Picton ..	c	75	47	0
Sydney ..	b	71	57	0
Wentw'th	b	79	52	0
Young .	b	87	64	0
Woll'g'ng	b	76	50	0
Taralga..	b	83	43	0
Hay — —	b	81	39	0

Stations.	WT	M'x	M'n	R'in
Queanbe'an	b	77	48	0
Deniliquin.	b	80	45	0
Moruya ..	c	75	64	0
Kiandra..	.	—	—	—
Albury ...	b	81	47	0
Bodalla..	b	75	38	0
Cooma . ..	c	79	39	0
Eden .. .	c	74	59	0

M'ss V'l	b	64	51	0
Euston	c	82	50	0
G'lburn	b	80	47	0
Wagga.	g	79	43	0
C Geo'.	c	72	53	0

13 30·25 R

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W

If it is calm, the symbol is used without the arrow

smooth heavy very heavy.

14 29·96 F 86

FINE GENERALLY

42 30·28 F 57

14 30·17S 62

0 29·90 R 60

TIME BALL
Drops at 1 p.m. S M T
or 2h.55m.9·19s.a.m.
Greenwich Mn. Time
Mag. Var. 9°35′30″ E

Barometers risen about 0 10 on E coast. For otes to 3 p.m. see under shipping news.

H. C. RUSSELL
Government Astronomer

WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. FEB. 26 1884

Sydney Observatory.

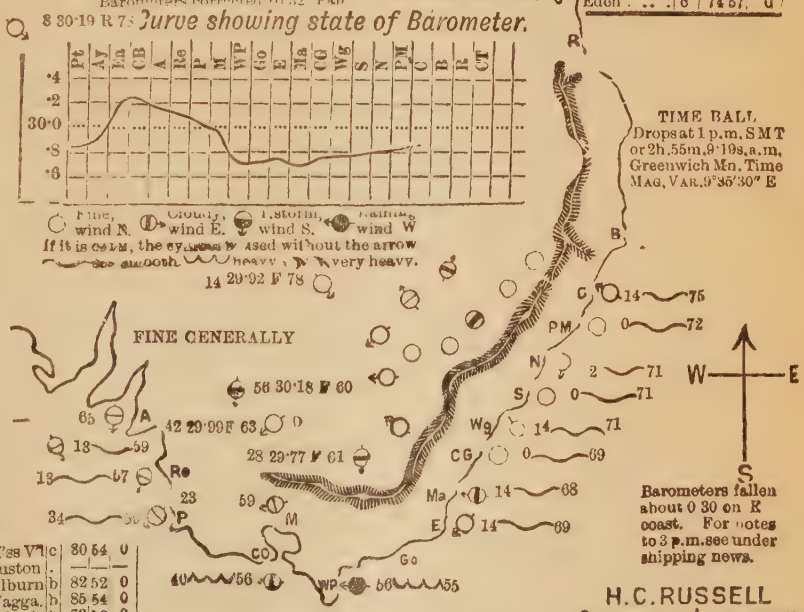
Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years . . . . . 50·491.
Average for 26 years from Jan. 1st to January 31 3·537.
Total Rainfall from Jan. 1st to February 26 1·393.
Barometers corrected to 32° Fah and Mean Sea Level.

Stations.	WT	M.X	MN	R'in
Queanbe'an	b	79	56	0
Deniliquin.	b	82	47	0
Moruya	c	74	61	0
Kiandra..	b	72	31	0
Albury	c	84	55	0
Bodalla..	b	81	48	0
Cooma	g	83	43	0
Eden	c	74	57	0

STATIONS.	WT	M'X	MN	R'in
Casino .	b	81	59	0·07
Tent'rfield	b	69	51	0·05
Clarence .	b	80	63	0·09
Moree ..	u	79	63	0
Grafton ..	b	79	66	0·05
Gl'n Inn's	g	66	56	0·05
Inverell.	b	92	53	0·05
Bourke	o	100	67	0
Narrabri .	u	86	—	0
Armidale.	u	69	—	0
Bendem'r	u	79	64	0
Gunned'h.	u	89	70	0
C'n'mble	c	93	65	0·07
Kempsey	.		—	—
Walcha..	g	71	58	0·01
Tamw'rth	c	85	67	0
Coonab'n.	c	91	61	0·03
P. M'cqrie	b	85	62	0
W'lcannia	b	—	—	0
Murr'ndi .	u	95	62	0·13
Taree.	b	89	64	0·01
Cassilis	o	82	70	0
Muss'br'k	b	95	65	0
Dubbo .	b	93	63	0
Menindie.	b	80	58	0
Singleton	b	87	70	0
Nels'n's B'	b	75	60	0
13 71 Mudg	b	88	50	0
Maitland.	b	89	58	0
Hill End.	b	—	—	0
N'wcastle	b	75	66	0
Orange ..	b	72	48	0
Bathurst	b	82	47	0
Forbes ..	b	87	54	0
M. Vict'ria	b	79	59	0
Carcoar .	b	75	51	0
Cond'b'lin	b	62	59	0
Marsdens	b	85	63	0
Picton ..	c	80	42	0·03
Sydney ..	b	75	62	0
Wentw'th	c	80	54	0
Young .	b	76	51	0
Wolf'g'ng	b	78	54	0
Taralga..	b	65	47	0
Hay	b	81	41	0

M'ss V'l	c	80	54	0
Euston	.	—	—	—
G'lburn	b	82	52	0
Wagga.	b	85	54	0
C Geo'.	b	78	56	0



H. C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. FEB. 27 1884

Sydney Observatory.

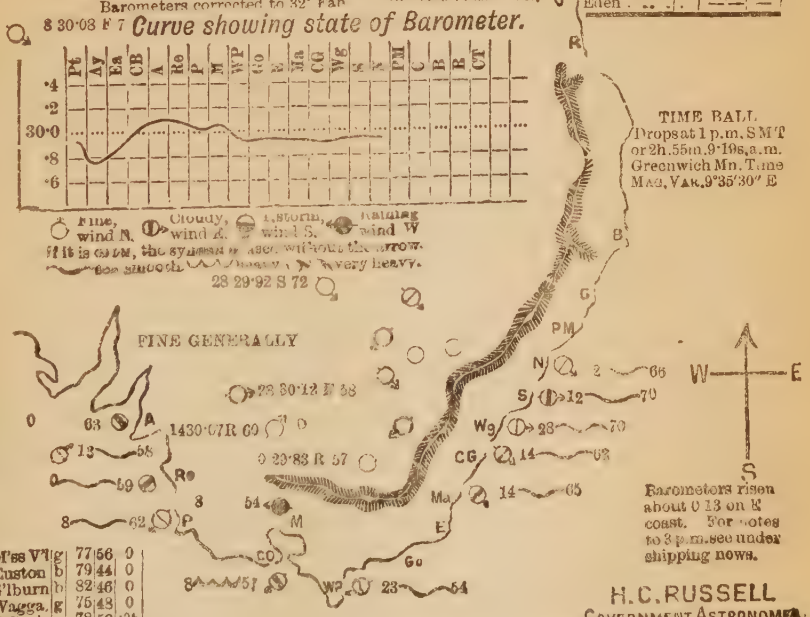
Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years ..... 50·491.
Average for 26 years from Jan. 1st to January 31 3·537.
Total Rainfall from Jan. 1st to February 27 1·393.
Barometers corrected to 32° Fah and Mean Sea Level.

Stations.	WT	M.x	Mn	R'in
Queanbe'an	b	75	52	0
Deniliquin.	b	77	45	0
Moruya	g	75	60	0
Kiandra ..	b	68	29	0
Albury ...	b	75	47	0
Bodalla ..	b	79	55	0
Cooma	u	78	38	0
Eden	.	—	—	—

Stations.				R'in
Casino	.	—	.	—
Tent'rfield	.	—	—	-
Clarence	.	—	—	—
Moree	.	—	—	—
Grafton	.	—	—	—
Glen Inn's	.	—	—	—
Inverell.	b	93	54	0
Bourke	b	93	64	0
Narrabri .	.	—	—	—
Armidale.	.	—	—	—
Bendem'r	b	85	44	0
Gunned'h	-	—	—	—
C'n'mble	b	86	61	0
Kempsey	.		—	—
Walcha.	.	—	—	—
Tamw'rth	b	87	50	0
Coonab'n.	b	88	43	0
P. M'corie	.	—	—	—
W'lcannia	.	—	—	—
Murr'ndi .	.	—	—	—
Taree..	.	—	—	—
Cassilis	.	—	—	—
Muss br'k	.	—	—	—
Dubbo .	b	87	60	0
Meniodie.	b	76	57	0
Singleton	.	—	—	—
Nels'n's R	b	80	65	0
♂ 13 77 Mudg	b	90	48	0
Maitland.	g	90	67	0
Hill End.	b	—	—	0
N'weastle	g	75	67	0
Orange ..	b	72	46	0
Bathurst	b	73	43	0
Forbes ..	b	77	50	0
M. Vict'ria	b	75	60	0
Carcoar .	b	71	55	0
Cond'b'lin	b	35	57	0
Marsdens	b	80	61	0
Picton ..	c	84	58	0
Sydney ..	g	85	67	0
Wentw'th	b	77	50	0
Young ..	b	87	47	0
Woll'g'ng	c	83	60	0·05
Taralga..	b	73	35	0
Hay	b	74	38	0

M'ss V'l	g	77	56	0
Euston	b	79	44	0
G'lburn	b	82	46	0
Wagga.	g	75	48	0
C Geo'.	c	78	59	·06



H. C. RUSSELL
GOVERNMENT ASTRONOMER.

WEATHER MAP.

FEB. 28 1884

From Telegrams for 9 A.M. & 3 P.M.

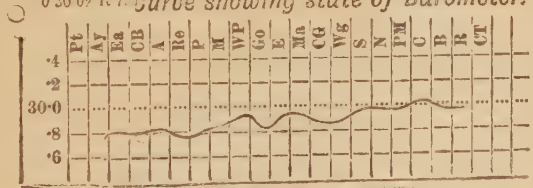
Sydney Observatory.

Lat. 33° 51′ 41″ S.; *Long* 10h. 4m. 50·81s. *E.*

Average Annual Rainfall for 25 years 50·491.
Average for 26 years from Jan. 1st to January 31 3·537.
Total Rainfall from Jan. 1st to February 28 1·647.
Barometers corrected to 32° Fah. and Mean Sea Level.

0 30·02 R 7.

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining wind W

If it is calm, the sy[illegible] used without the arrow.

[illegible] smooth. [illegible] heavy, [illegible] very heavy.

0 29·86 F 79

Stations.	wt	M.	V.	Q.	Ht
Casino ..	b	93	64		0
Tent'rfield	o	89	54		0
Clarence .	c	85	69		0
Howe ..	b	98	66		0
Grafton ..	b	101	70		0
Glen Inn's	c	92	57		0
Inverell.	b	93	61		0
Bourke	b	94	65		0
Narrabri.	o	94	—		0
Armidale.	b	66	—		0
Bendem'r	b	88	51		0
Gunned'h	c	95	65		0
C'n'mble	b	88	56		0
Kempsey	.		—		—
Walcha..	b	82	52		0
Tamw'rth	o	92	61		0
Coonab'n.	b	92	44		0
P. M'cqrie	b	78	65		0
W'lcannia	o	—	—		0
Murr'ndi.	c	85	65		0
Taree..	b	81	66		0·01
Cassilis	c	86	68		0
Muss'br'k	b	94	64		0
Dubbo ..	b	87	67		0
Menindie.	.	—	—		
Singleton	b	86	71		0
Nels'n's B.	b	85	66		0
18 70 Mudg	b	82	61		0
Maitland.	c	81	67		0
Hill End.	b	—	—		0
N'wcastle	g	75	68		0
Orange ..	b	78	58		0
Bathurst	c	87	56		0
Forbes ..	c	86	50		0
M. Vict'ria	g	79	60		0
Carcoar .	b	75	63		0
Cond'b'lin	b	70	61		0
Marsdens	b	85	64		0
Picton ..	d	81	63		0·11
Sydney ..	g	73	65		0·25
Wentw'th	-	—	—		—
Young ..	u	89	60		0
Woll'g'ng	g	85	59		0·55
Taralga..	g	80	32		0
Hay ..	u	80	46		0

Stations.	wt	M.	V.	Q.	Ht
Queanbe'an	g	78	59		0
Deniliquin.	g	82	55		0
Moruya ..	g	60	59		0·25
Kiandra ..	g	68	44		0
Albury ...	u	83	57		0
Bodalla..	g	74	—		0
Cooma	u	78	51		0
Eden ..	u	74	59		0

M'ss V'l	u	78	53	0
Euston	c	86	63	0
G'lburn	c	87	55	0
Wagga.	g	81	63	0
C Geo'.	u	66	58	·32

Barometers fallen about 0 10 on S coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. FEB. 29 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 25 years .... 50·491.
Average for 26 years from Jan. 1st to January 31 3·537.
Total Rainfall from Jan. 1st to February 29 1·647.
Barometers corrected to 32° Fah and Mean Sea Level.

0 29·37 R 82

Stations.	wt	M'x	vn	R'in
Casino ..	b	101	60	0
Tent'rfield	b	93	54	0
Clarence .	b	91	69	0
Moree ..	b	98	74	0
Grafton ..	b	104	74	0
Glen Inn's	b	97	57	0
Inverell..	b	93	62	0
Bourke .	b	102	75	0
Narrabri .	b	100	63	0
Armidale.	b	80	—	0
Bendem'r	b	92	55	0
Gunned'h	b	100	63	0
C'n'mble	.	96	72	0
Kempsey	b	.	—	—
Walcha..	b	84	48	0
Tamw'rth	b	98	60	0
Coonab'n.	b	96	52	0
P. M'oqrie	m	76	67	0
W'lcannia	b	—	—	0
Murr'ndi .	b	89	65	0
Taree ..	b	87	63	0
Cassilis	b	90	64	0
Muss'br'k	b	99	64	0
Dubbo ..	b	91	64	0
Menindie.	c	91	66	0
Singleton	b	92	69	0
Nels'n's R'	b	95	64	0
Mudg	b	96	53	0
Maitland.	b	92	66	0
Hill End.	b	—	—	0
N'wcastle	b	77	67	0
Orange ..	b	80	53	0
Bathurst	b	87	51	0
Forbes ..	b	89	57	0
M. Vict'ria	b	84	73	0
Carcoar .	b	78	63	0
Cond'b'lin	b	82	64	0
Marsdens	b	89	66	0
Picton ..	b	83	61	0
Sydney ..	b	76	69	0
Wentw'th	g	100	68	0
Young ..	b	88	54	0
Woll'g'ng	b	78	61	0
Taralga..	b	77	42	0
Hay ..	o	84	51	0

Stations.	wt	M'x	vn	R'in
Queanbe'an	b	75	53	0
Deniliquin.	u	91	57	0
Moruya	c	74	68	0·01
Kiandra..	b	78	40	0
Albury	b	83	57	0
Bodalla..	b	77	54	0
Cooma	b	77	46	0
Eden	b	73	60	0

M'ss V'l	b	76	60	0
Euston	u	98	65	0
G'lburn	b	84	42	0
Wagga.	b	88	54	0
C Geo'.	c	74	64	0

Curve showing state of Barometer.

Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining wind W

If it is calm, the symbol is used without the arrow.

smooth heavy very heavy.

14 29·83 F 90

FINE GENERALLY

42 29·92 — 70

0 29·88 F 76

0 29·70 F 66

TIME BALL
Drops at 1 p.m. S M T or 2h.55m.9·10s.a.m. Greenwich Mn. Time
Mag. Var. 9°35′30″ E

Barometers fallen about 0 15 on E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
Government Astronomer

WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. MARCH 1 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 25 years ..... 50·491.
Average for 26 years from Jan. 1st to February 29 . 2·443.
Total Rainfall from Jan. 1st to March 1 .... 1·647.

Barometers corrected to 32° Fah. and Mean Sea Level.

STATIONS.	wt	w'x	vv	R'in
Casino ..	u	95	71	0·02
Fearn'rfield	u	94	66	0
Clarence .	g	91	69	0·04
Moree ..	u	101	77	0
Grafton .	u	101	71	0
Gl n Inn's	g	92	66	0
Inverell.	b	92	62	0
Bourke	o	106	80	0
Narrabri.	g	102	63	0
Armidale.	u	82	--	0
Bendem'r	u	95	65	0
Gunned'h	c	101	76	0
C'n'mble	b	101	53	0
Kempsey	.	.	—	—
Walcha..	m	86	58	0
Tamw'rth	c	99	69	0
Coonab'n.	c	102	64	0
P. M'cqrie	c	73	67	0
W'lcannia	b	—	—	0
Murr'ndi.	u	93	76	0
Taree..	g	98	69	0
Cassilis	b	75	56	0
Muss'br'k	b	106	69	0
Dubbo .	b	97	74	0
Menindie.	c	100	71	0
Singleton	b	99	78	0
Nels'n's B'm	m	90	71	0
0 70				
○ Mudg	g	102	60	0
Maitland.	c	98	70	0
Hill End.	b	—	—	0
N'wcastle	b	94	73	0
Orange ..	b	86	59	0
Bathurst	b	94	57	0
Forbes ..	c	101	66	0
M. Vict'ria	b	86	74	0
Carcoar .	o	83	64	0
Cond'b'lin	b	96	70	0
Marsdens	.	—	—	—
Picton ..	c	92	57	0
Sydney ..	c	84	68	0
Wentw'th	b	92	58	0
Young .	g	99	61	0
Woll'g'ng	c	82	58	0
Taralga..	b	94	52	0
Hay	b	101	54	0

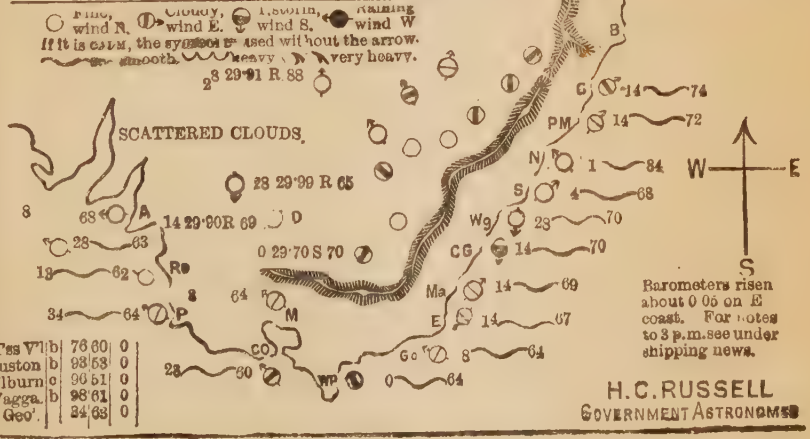
Stations.	WT.	M.	x	vv	R'in
Queanbe'an	b		89	62	0
Deniliquin.	b		95	55	0
Moruya	m		81	62	0
Kiandra...	c		84	46	0
Albury ...	c		95	57	0
Bodalla..	b		93	56	0
Cooma	c		96	47	0
Eden	c		78	67	0

'urve showing state of Barometer.

Fine, wind N. Cloudy, wind E. Thunder, wind S. Raining wind W

If it is CALM, the symbol is used without the arrow.

smooth heavy very heavy.



TIME BALL, Drops at 1 p.m. SMT or 2h.55m.9·19s.a.m. Greenwich Mn. Time MAG. VAR. 9°35′30″ E

Barometers risen about 0·05 on E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. MARCH 3 1884

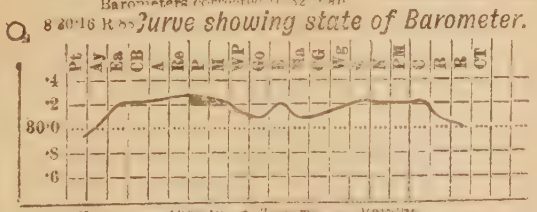
Sydney Observatory.

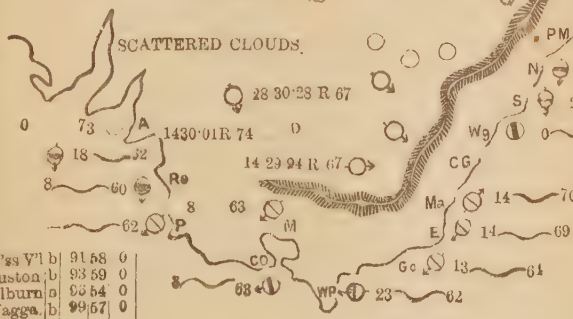
Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

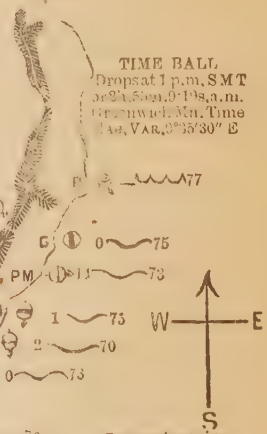
Average Annual Rainfall for 25 years .....50·491.
Average for 26 years from Jan. 1st to February 29 . 9·[illegible]3.
Total Rainfall from Jan. 1st to March 3 .. 1·667.
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	WT	M. X	Mn	R'in
Queanbe'an	b	94	57	0
Deniliquin.	b	91	53	0
Moruya ..	c	78	59	0
Kiandra ..	b	85	42	0
Albury ...	b	94	51	0
Bodalla ..	b	88	48	0
Cooma	c	91	46	0
Eden ..	c	76	69	0

[illegible]	c	86	55	[illegible]
[illegible]	u	80	61	[illegible]·52
Clarence .	c	[illegible]	[illegible]	0·23
Moree ..	[illegible]	[illegible]	[illegible]	0
Grafton ..	[illegible]	[illegible]	[illegible]	0·04
Glen Inn's	[illegible]	[illegible]	[illegible]	·11
Inverell ..	[illegible]	[illegible]	[illegible]	·40
Bourke	[illegible]	[illegible]	[illegible]	0
Narrabri .	[illegible]	[illegible]	[illegible]	0·94
[illegible]	[illegible]	76	[illegible]	0·73
[illegible]	[illegible]	87	59	0
[illegible]	[illegible]	[illegible]	[illegible]	—
[illegible]	b	[illegible]	74	0·20
Kempsey	[illegible]	[illegible]	[illegible]	—
[illegible]	b	85	54	0
[illegible]	b	97	65	0
[illegible]	b	[illegible]	61	0·17
P. M'cqrie	m	[illegible]	65	0
W'leannia	[illegible]	[illegible]	[illegible]	0
Murr'ndi .	[illegible]	91	78	0·40
Taree ..	[illegible]	[illegible]	45	0
Cassine	[illegible]	[illegible]	66	0·30
Muss'br'k	c	[illegible]	69	0
Dubbo .	b	98	72	0·86
Menindie.	b	99	68	0
Singleton	b	93	75	0·18
Nels'n's B	b	100	64	0
Mudg	b	104	62	0·28
Maitland.	c	101	70	0·12
Hill End.	[illegible]	—	—	0·05
N'wcastle	c	—	69	0
Orange ..	b	87	61	0
Bathurst	b	97	67	0
Forbes ..	b	90	66	0
M. Vict'ria	u	76	62	0
Carcoar .	b	85	66	0
Cond'b'lin	b	77	62	0·08
Marsdens	b	100	66	0
Picton ..	c	84	64	0·12
Sydney ..	g	81	67	0·20
Wentw'th	b	92	62	0
Young ..	[illegible]	102	63	0
Woll'g'ng	c	81	60	0
Taralga..	b	93	52	0
Hay ..	b	92	47	0
M'ss V'l	b	91	58	0
Euston	b	93	59	0
G'lburn	b	96	54	0
Wagga.	b	99	57	0
O Geo'.		—	—	—







Barometers risen about 0 30 on E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. MARCH 4 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 25 years ..... 50·491.
Average for 26 years from Jan. 1st to February 23 . 9·143.
Total Rainfall from Jan. 1st to March 4 .... 1·607.
Barometers corrected to 32° Fah and Mean Sea Level.

Stations.	wt	w's	w	R'in
Casino ..	o	86	63	0·02
Kent'rfield	u	82	63	0·04
Clarence .	c	87	68	0
Moree ..	b	97	69	0
Grafton ..	b	87	63	0
Gl n Inn's	u	86	57	0·03
Inverell.	b	92	56	0
Bourke ..	b	98	76	0
Narrabri .	b	96	43	0
Armidale.	b	75	—	0
Bendem'r	b	86	55	0
Gunned'h	b	99	73	0
C'n'mble	b	96	78	0
Kempsey	..	..	—	—
Walcha..	b	83	50	0
Tamw'rth	t	96	63	0
Coonab'n.	b	95	59	0
P. M'cqrie	m	80	65	0
W'lcannia	b	..	—	0
Murr'ndi .	b	89	69	0
Taree ..	b	87	63	0
Cassilis	b	85	79	0
Muss'br'k	c	95	67	0
Dubbo .	b	95	75	0
Menindie.	b	95	68	0
Singleton	b	90	72	0
Nels'n's R.	m	76	71	0
18 63				
Mudg	c	109	64	0
Maitland.	b	89	67	0
Hill End.	b	—	—	0
N'wcastle	b	89	69	0
Orange ..	c	86	64	0·03
Bathurst	b	96	65	0
Forbes ..	b	100	72	0
M. Vict'ria	g	86	65	0
Carcoar .	o	85	68	0
Cond'b'lin	b	93	72	0
Marsdens	b	99	77	0
Picton ..	c	86	67	0
Sydney ..	b	77	71	0
Wentw'th	b	95	64	0
Young .	b	99	67	0
Wol'g'ng	2	82	69	0·09
Taralga..	K	93	50	0
Hay	o	96	49	0

Stations.	wt	M, x	w	R'in
Queanbe'an	c	85	66	0
Deniliquin.	b	97	—	0
Moruya ..	g	79	57	0
Kiandra..	o	89	50	0
Albury ...	b	98	62	0
Bodalla..	g	83	54	0
Cooma	g	94	49	0
Eden	u	71	61	0

M'ss V'l	u	85	59	·07
Euston	b	99	62	0
G'lburn	g	96	63	0
Waggs.	o	95	69	0
C Geo'.	u	78	63	·05

13 30·11 R 75 *Curve showing state of Barometer.*

Fine, wind N. Cloudy, wind E. T.Storm, wind S. Raining, wind W

If it is calm, the symbol is used without the arrow.

smooth heavy very heavy.

0 30·09 R 88

SCATTERED CLOUDS.

28 30·31 R 68

1430·22R 68

0 23·96 R 72

TIME BALL
Drops at 1 p.m. S M T
or 2h.55m.9·13s. a.m.
Greenwich Mn. Time
Mag. Var. 9° 35′ 30″ E

Barometers risen about 0.10 on E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. MARCH 5 1884

Sydney Observatory.

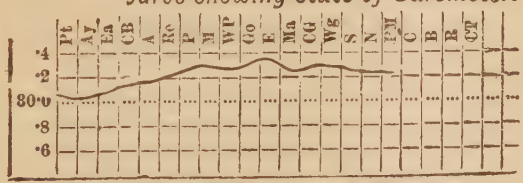
Lat. 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years ..... 50·491.
Average for 26 years from Jan. 1st to February 29 .. 9·443.
Total Rainfall from Jan. 1st to March 5 .... 1·897.
Barometers corrected to 32° Fah and Mean Sea Level.

Stations.	wt	M'x	Vr	R'in
Casino ..	g	88	63	0
Port'rfield	o	82	60	0
Clarence .	c	88	68	0
Moree ..	b	98	70	0
Grafton ..	g	89	64	0
Gl'n Inn's	g	90	57	0
Inverell..	o	92	55	0
Bourke	b	101	75	0
Narrabri .	b	93	42	0
Armidale.	b	75	--	0
Bendem'r	b	86	55	0
Gunned'h	.	—	—	—
O'n'mble	b	93	72	0
Kempsey	.	.	—	—
Walcha..	c	79	51	0
Tamw'rth	b	93	62	0
Coonab'n.	b	94	62	0
P. M'oqrie	g	83	65	0
W'lcannia	b	—	—	0
Murr'ndi.	u	87	67	0
Taree..	b	87	63	0·07
Cassilis	c	87	72	0
Muss'br'k	d	94	65	0·21
Dubbo .	u	93	70	0
Menindie.	m	95	68	0
Singleton	u	89	71	0·41
Nels'n's B'	u	104	68	0
8 62				
Mudg	g	103	62	0
Maitland.	r	87	64	0·05
Hill End.	u	—	—	0
N'wcastle	g	78	66	0
Orange ..	c	86	59	0
Bathurst	c	92	58	0
Forbes ..	c	103	66	0
M.Vict'ria	u	63	51	0·30
Carcoar .	o	84	68	0·06
Cond'b'lin	b	78	71	0
Marsdens	b	99	73	0
Picton ..	g	83	47	0·05
Sydney ..	g	77	61	0·23
Wentw'th	b	94	56	0
Young .	g	101	59	0
Woll'g'ng	g	80	58	0·50
Taralga..	u	89	52	0·38
Hay	b	95	51	0

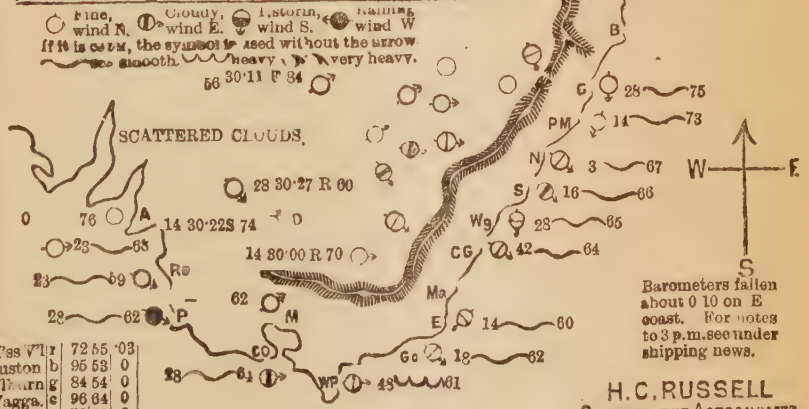
Stations.	WT	M.X	Mn	R'in
Queanbe'an	b	80	58	0
Deniliquin.	u	93	58	0
Moruya	.	—	—	
Kiandra..	g	84	44	0
Albury ...	b	98	65	0
Bodalla..	g	72	54	0·03
Cooma	u	89	51	0
Eden	u	76	56	0

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. Thorn, wind S. Raining wind W

If it is calm, the symbol is used without the arrow. smooth. heavy. very heavy.



Barometers fallen about 0 10 on E coast. For notes to 3 p.m. see under shipping news.

M'ss V'l	r	72 55	·03
Euston	b	95 53	0
G'lburn	g	84 54	0
Wagga.	c	96 64	0
C Geo'.	o	72 60	0

H. C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. MARCH 6 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 25 years ... ... 50·491.
Average for 26 years from Jan. 1st to February 29 . 9·443.
Total Rainfall from Jan. 1st to March 6 ... 1·897.
Barometers corrected to 32° Fah and Mean Sea Level.

STATIONS.	WT	M'X	MN	R'in
Casino .	p	87	63	0·07
Tent'rfield	c	80	55	0
Clarence .	b	83	69	1·38
Moree ..	o	97	70	0
Grafton ..	u	90	61	1·00
Gl'n Inn's	g	87	59	0·01
Inverell.	b	92	55	0
Bourke	c	95	73	0
Narrabri .	b	96	34	0
Armidale.	u	74	--	0·22
Bendem'r	u	79	58	0
Gunned'h	b	94	64	0
C'n'mble	.	93	64	0
Kempsey	.		—	--
Walcha..	u	72	52	0·13
Tamw'rth	b	86	58	0
Coonab'n.	b	86	56	0
P. M'cqrie	u	79	62	0·76
W'lcannia	b	--	—	0
Murr'ndi.	g	71	61	0
Taree..	u	88	66	0·04
Cassilis	b	74	63	0
Muss'br'k	c	69	62	0
Dubbo .	b	87	63	0
Menindie.	c	95	64	0
Singleton	g	73	63	0
Nels'n's B.	g	73	60	0·01
13 73 Mudg	b	85	53	0
Maitland.	g	87	62	0·07
Hill End.	b	—	—	0
N'wcastle	c	70	64	0
Orange ..	b	77	54	0
Bathurst	b	73	54	0
Forbes ..	o	98	59	0
M.Vict'ria	g	66	50	0·21
Carcoar .	b	74	56	0
Cond'b'lin	.	—	—	—
Marsdens	b	83	66	0
Picton ..	b	65	59	0·04
Sydney ..	g	69	64	0
Wentw'th	b	96	60	0
Young .	b	86	56	0
Woll'g'ng	c	67	50	0·03
Taralga..	c	73	50	0
Hay ..	b	101	56	0

M'ss V'l	u	69	53	0
Euston	b	100	83	0
G'lburn	g	64	52	0
Wagga.	b	85	58	0
C Geo'	c	75	60	0

Stations.	WT	M'X	MN	R'in
Queanbe'an	g	65	56	0
Deniliquin.	b	87	65	0
Moruya ..	g	66	59	0
Kiandra..	b	61	38	0
Albury ...	b	93	53	0
Bodalla..	g	66	54	0
Cooma	b	63	44	0
Eden . ..	c	76	56	0

Curve showing state of Barometer.

wind N wind E. wind S. wind W

If it is calm, the symbol is used without the arrow

smooth. heavy very heavy.

Barometers fallen about 0 10 on coast. For otes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

MARCH 7 1884

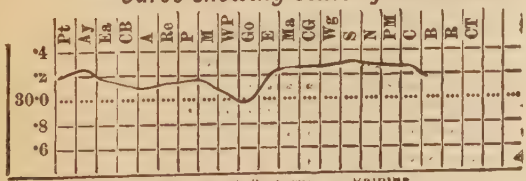
From Telegrams for 9 A.M. & 3 P.M.

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years ..... 50·491.
Average for 26 years from Jan. 1st to February 29 .. 9·443.
Total Rainfall from Jan. 1st to March 7 1·897.
Barometers corrected to 32° Fah. and Mean Sea Level.

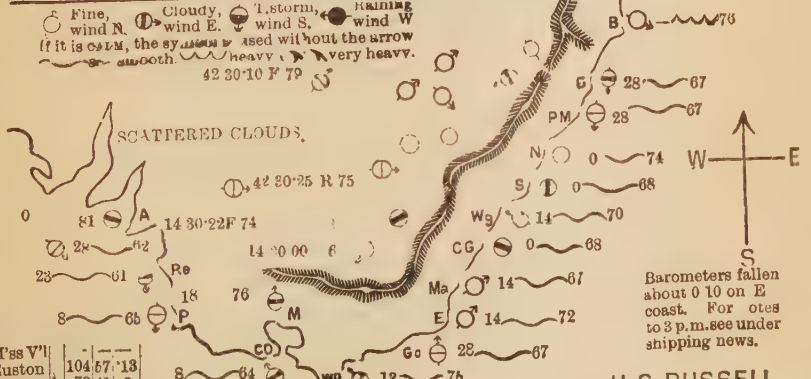
Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining wind W

If it is calm, the sy[illegible] used without the arrow [illegible] smooth. [illegible] heavy [illegible] very heavy.

Stations.	WT	M.X	MN	R'in
Queanbe'an	b	70	51	0
Deniliquin.	b	94	67	0
Moruya	b	74	51	0
Kiandra ..	b	82	34	0
Albury	b	93	61	0
Bodalla ..	b	75	46	0
Cooma	c	79	58	0
Eden	c	72	58	0



Barometers fallen about 0 10 on E coast. For otes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

TIONS.	wt	M'x	MN	R'in
no ..	b	73	61	0·12
'rfield	u	68	57	0
ence .	g	83	66	0·37
ee ..	o	95	65	0
ton ..	c	81	57	0·02
Inn's	b	73	50	0
erell.	b	92	50	0
rke ..	g	93	72	0
rabri .	b	83	35	0
nidale.	.	—	—	—
dem'r	b	74	54	0
nned'h	g	92	61	0
mble	b	99	61	0
npsey	.		—	—
lcha..	b	66	45	0
nw'rth	b	81	52	0
nab'n.	b	86	48	0
M'oqrie	u	68	61	0
cannia	g	—	—	0
rr'ndi .	b	75	56	0
ee..	c	76	60	0·01
silis	u	74	65	0
ss'br'k	b	76	67	0
bbo .	b	87	62	0
nindie.	c	95	75	0
gleton	b	74	58	0
s'n's R.	o	79	58	0
23 68				
Mudg	b	88	51	0
tland.	c	75	57	0
ll End.	b	—	—	0
wcastle	c	74	63	0
ange ..	b	73	51	0
thurst	b	77	55	0
rbes ..	o	90	57	0·05
Vict'ria	c	62	54	0
rcoar .	c	71	53	0
nd'b'lin	b	71	68	0
rsdens	b	86	66	0
cton ..	b	74	54	0
dney ..	c	72	61	0
entw'th	c	106	73	0·03
ung .	o	88	53	0
oll'g'ng	c	74	57	0
ralga..	b	76	48	0
ay	c	97	57	0

M'ss V'l		—	—	—
Euston		104	57	·13
G'lburn	b	73	41	0
Wagga.	c	85	58	0
C Geo'.	c	72	60	0

WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. MARCH 10 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 25 years ..... 50·491.
Average for 26 years from Jan. 1st to February 29 . 9·443.
Total Rainfall from Jan. 1st to March 10 1·897.
Barometers corrected to 32° Fah and Mean Sea Level.

STATIONS.	wt	m'x	vn	R'fall
Casino ..	b	87	54	0
Kent'rfield	o	85	46	0
Clarence .	b	76	36	0
Moree ..	b	95	67	0
Grafton ..	o	90	60	0
Gl n Inn's	b	79	50	0
Inverell..	b	92	56	0
Bourke	b	100	73	0
Narrabri .	b	91	35	0
Armidale.	b	71	—	—
Bendem'r	o	85	49	0
Gunned'h	c	94	65	0
C'n'mble	b	90	64	0
Kempsey		—	—	—
Walcha..	b	76	44	0·80
Tamw'rth	c	90	57	0
Coonab'n.	c	95	51	0
P. M'cqrie	b	91	58	0
W'lcannia	b	—	—	0
Murr'ndi.	b	85	59	0
Taree..	b	88	58	0
Cassilis	b	79	66	0
Muss'br'k	b	98	69	0
Dubbo .	b	89	55	0
Monindie.	.	—	—	—
Singleton	o	88	54	0
Nels'n's B.	b	90	62	0
34 63				
Mudg	c	98	53	0
Maitland.	b	87	60	0
Hill End.	u	—	—	0
N'wcastle	b	79	64	0
Orange ..	u	90	54	0
Bathurst	g	88	50	0
Forbes ..	c	95	60	0
M. Vict'ria	b	80	68	0
Carcoar .	g	78	58	0
Coud'b'lin	c	77	66	0
Marsdens	c	92	53	0
Picton ..	c	84	60	0
Sydney ..	c	79	66	0
Wentw'th	.	—	—	—
Young .	c	95	62	0
Woll'g'ng	b	80	55	0
Taralga..	b	92	41	0
Hay — —	g	96	53	0·26
M'ss V'l	b	79	59	0
Euston	.	—	—	—
G'lburn	b	90	54	0
Wagga.	r	93	63	0
C Geo'.	c	82	61	0

Stations.	wt	M.x	vn	R'fall
Queanbe'an	c	84	61	0
Deniliquin.	.	—	—	—
Moruya ..	g	76	63	0·25
Kiandra...	g	89	40	0
Albury	r	93	65	0·42
Bodalla..	u	94	55	0 34
Cooma	u	79	53	0·23
Eden	u	79	63	0·34

Curve showing state of Barometer.

8 30·04 F 84

Pt Ay Ea CE A Re P M WP Go E Ma CG Wg S N PM C B R CT

30·4 30·2 30·0 29·8 29·6

Fine, wind N. Cloudy, wind E. Storm, wind S. Rain, wind W

If it is calm, the symbol is used without the arrow.

Smooth. Heavy. Very heavy.

14 29·90 F 84

TIME BALL Drops at 1 p.m. S M T or 2h. 55m. 9·19s. p.m. Greenwich Mn. Time

MAG. VAR. 9°35′30″ E

SCATTERED CLOUDS.

R — 75

B — 76

C 14 — 74

PM 0 — 71

N 1 — 73

S 0 — 70

Wg 0 — 71

CG 0 — 70

Ma 14 — 68

E 14 — 68

Go 8 — 57

WP 8 — 57

CO 13 — 56

M 56

P 28 — 58

Ro 23 — 58

A 8 — 57

8 62

14 29·76 F 65

W — E

S

Barometers fallen about 0 20 on E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. MARCH 11 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 25 years ... .. 50·491.
Average for 26 years from Jan. 1st to February 29 . 9·443.
Total Rainfall from Jan. 1st to March 11 2·110.
Barometers corrected to 32° Fah and Mean Sea Level.

Stations.	WT	M'X	Mn	R'in
Casino ..	b	90	58	0
Bent'rfield	o	85	54	0
Clarence .	b	86	63	0
Moree ..	u	96	70	0
Grafton ..	o	91	59	0
Gl'n Inn's	b	81	54	0
Inverell..	b	92	54	0
Bourke .	u	101	67	0·03
Narrabri .	u	95	41	0
Armidale.	c	75	—	0
Bendem'r	u	86	55	0
Gunned'h	g	97	69	0·06
C'n'mble	c	95	62	0.02
Kempsey		—	—	—
Walcha..	u	77	47	0
Tamw'rth	c	93	64	0
Coomb'n.	u	95	56	0·04
P. M'eqrie	g	78	64	0
W'leannia	c	—	—	0
Murs'ndi .	o	86	66	0·05
Taree ..	g	92	58	0
Cassilis	c	83	55	0
Muss'br'k	c	99	64	0·06
Dubbo .	b	92	65	0·36
Menindie.	c	83	58	0·31
Singleton	o	91	67	0·26
Nels'n's B'	c	86	58	0·20
13 61 Mudg	c	96	53	0·20
Maitland.	c	92	65	0·18
Hill End.	u	—	—	0
N'wcastle	b	90	62	0·20
Orange ..	u	81	53	0·47
Bathurst	c	87	54	0·47
Forbes ..	u	90	51	0·52
M. Vict'ria	u	63	51	0·40
Carcoar .	u	78	58	0·47
Cond'b'lin	c	60	55	0·41
Marsdens	u	95	61	0·59
Picton ..	b	91	58	0·37
Sydney ..	c	84	61	0·21
Wentw'th	c	66	49	0·22
Young .	u	84	53	0·70
Woll'g'ng	b	82	55	0·40
Taralga..	u	81	40	0
Hay	b	67	36	0·72

Stations.	WT	M'X	Mn	R'in
Queanbe'an	c	76	65	0·40
Deniliquin.	b	70	47	0·30
Moruya ..	b	73	68	0·61
Kiandra..	b	59	39	1·85
Albury ...	b	62	51	0·41
Bodalla..	c	74	50	0 67
Cooma	c	70	47	0·37
Eden	u	68	57	0·57

8 30·03 R 8

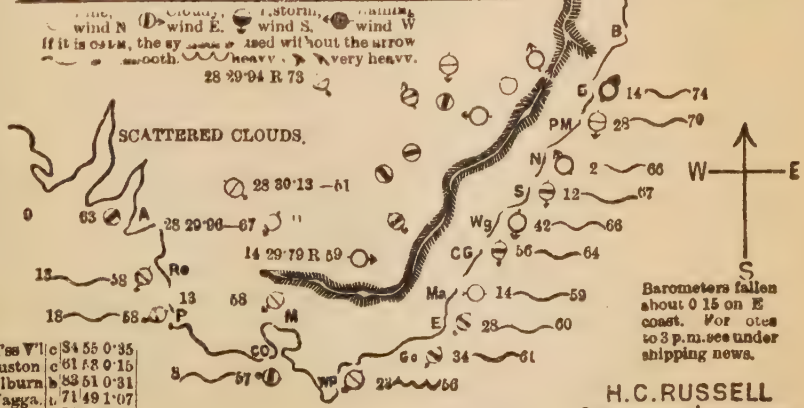
Curve showing state of Barometer.

wind N wind E. wind S. wind W

If it is calm, the sy ... ised without the arrow

... smooth. heavy . very heavy.

28 29·94 R 73



Barometers fallen about 0 15 on E coast. For otes to 3 p.m. see under shipping news.

M'ss V'l	c	84	55	0·35
Euston	c	61	58	0·15
G'lburn	b	83	51	0·31
Wagga.	u	71	49	1·07
C Geo'		74	56	0·45

H. C. RUSSELL
Government Astronomer

WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. MARCH 12 1884

Sydney Observatory.

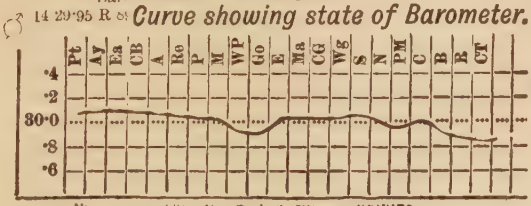
Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

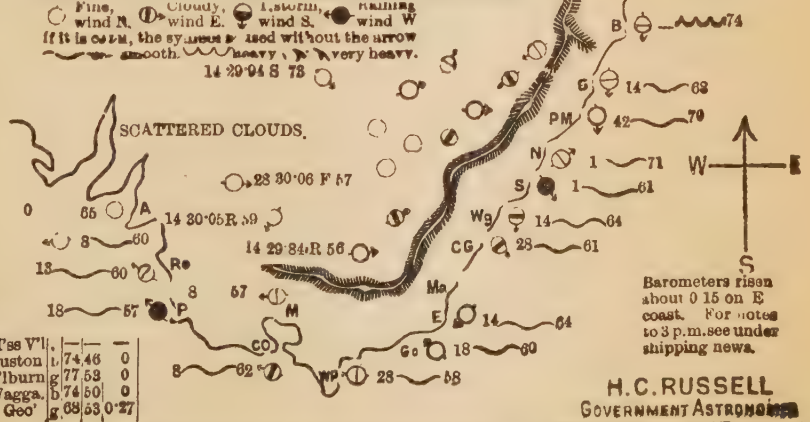
Average Annual Rainfall for 2 5 years 50·491.
Average for 16 years from Jan. 1st to February 29 . 9·443.
Total Rainfall from Jan. 1st to March 12 2·380.
Barometers co[illegible] to 32° Fah[illegible] Sea Level.

Station		M.x	Mn	R'in
Queanbe'a		68	58	0
Deniliquin		73	46	0
Moruya		—	—	—
Kiandra	b	64	37	0
Albury	b	79	48	0
Bodalla	g	78	55	0
Cooma	g	68	48	0
Eden	b	71	57	0·01

Stations.	wt	M'x	Mn	R'in
Casino	c	86	61	0·57
Fent'rfield	u	85	55	0·03
Clarence	g	85	63	0·04
Moree	u	96	61	0
Grafton	u	84	58	0
Gl'n Inn's	u	91	54	0
Inverell	b	92	52	0
Bourke	b	87	66	0
Narrabri	b	85	39	0
Armidale	g	73	—	0
Bendem'r	u	76	55	0
Gunned'h	c	83	64	0
C'n'mble	t	81	60	0
Kempsey		—	—	—
Walcha	u	71	51	0
Tamw'rth	c	78	58	0
Coonab'n	c	81	53	0
P. M'cqrie	b	76	59	0
W'loannia	b	—	—	0
Murr'ndi	c	78	61	0
Taree	c	82	58	0
Cassilis	b	84	73	0
Muss'br'k	b	87	61	0
Dubbo	c	77	59	0
Menindie	b	70	56	0
Singleton	b	81	63	0
Nels'n's B	c	88	59	0
18 67 Mudg	g	86	50	0
Maitland	c	80	60	0
Hill End	g	—	—	0
N'wcastle	c	77	63	0
Orange	b	71	51	0
Bathurst	c	73	53	0
Forbes	b	80	52	0
M. Vict'ria	u	64	53	0
Carcoar	b	68	56	0
Cond'b'lin	b	62	57	0
Marsdens	b	72	60	0
Picton	u	74	59	0
Sydney	d	72	60	0·27
Wentw'th	b	72	50	0
Young	b	75	52	0
Woll'g'ng	u	74	55	0·17
Taralga	u	80	40	0
Hay	b	71	37	0

M'ss V'l		—	—	—
Euston	b	74	46	0
G'lburn	g	77	53	0
Wagga	b	74	50	0
C Geo'	g	68	53	0·27





H. C. RUSSELL
Government Astronomer

WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. MARCH 13 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 25 years 50·491.
Average for 26 years from Jan. 1st to February 29 . 9·443.
Total Rainfall from Jan. 1st to March 13 2·383.
Barometers corrected to 32° Fah. and Mean Sea Level.

Curve showing state of Barometer.

Stations.	wt	M'x	Mn	R'in
Casino ..	b	78	63	0·03
Fern'rfield	u	73	54	0
Clarence .	g	75	64	0·79
Moree ..	b	92	51	0
Grafton ..	c	83	59	0
Gl n Inn's	c	84	51	0
Inverell.	b	92	51	0
Bourke	b	88	65	0
Narrabri .	c	90	37	0
Armidale.	c	69	—	0
Bendem'r	g	79	48	0
Gunned'h	a	88	62	0
C'n'mble	t	87	64	0
Kempsey		—	—	
Walcha..	c	68	43	0
Tamw'rth	b	79	56	0
Coonab'n.	b	86	49	0
P. M'oqrie	c	78	61	0
W'lcannia	b	.	—	0
Murr'ndi .	b	77	55	0
Taree.	g	81	60	0
Cassilis	b	72	65	0
Muss'br'k	b	85	53	0
Dubbo .	b	80	61	0
Moniudle.	b	76	52	0
Singleton	c	79	60	0
Nels'n's B.	b	80	56	0
8 66				
Mudg	o	89	52	0
Maitland.	l	77	55	0
Hill End.	b	—	—	0
N'wcastle	b	75	65	0
Orange ..	b	71	50	0
Bathurst	c	78	49	0
Forbes ..	b	86	53	0
M. Vict'ria	b	65	54	0·16
Carcoar .	b	68	56	0
Cond'b'lin	g	68	55	0
Marsdens	b	81	61	0
Picton ..	b	68	54	0·04
Sydney ..	o	68	60	0
Wentw'th	c	—	—	0
Young .	b	65	54	0
Woll'g'ng	b	72	53	0
Taralga..	b	73	32	0
Hay	a	75	41	0

Stations.	WT	M.x	Mn	R'in
Queanbe'an	b	78	58	0
Deniliquin.	b	76	50	0
Moruya	.	—	—	—
Kiandra..	g	67	49	0
Albury ...	b	82	51	0
Bodalla..	c	79	53	0
Cooma	c	80	49	0
Eden		—	—	

M'ss V'l	c	71	52	0
Euston	c	81	50	0
G'lburn	b	76	49	0
Wagga.	b	76	49	0
C Geo'	c	72	52	0

Pt Ay Fa CB A Re P M WP Go E Ma CG Wg S N PM C B E CT

30·0

14 29·92 F 73

SCATTERED CLOUDS.

28 30·07 R 60

30·08 R 58

14 29·87 R 61

TIME BALL
Drops at 1 p.m. SMT
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
Mag. Var. 9°35′30″ E

Barometers risen about 0·10 on S coast. For otes to 3 p.m. see under shipping news.

H. C. RUSSELL
Government Astronomer

WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. MARCH 14 1894

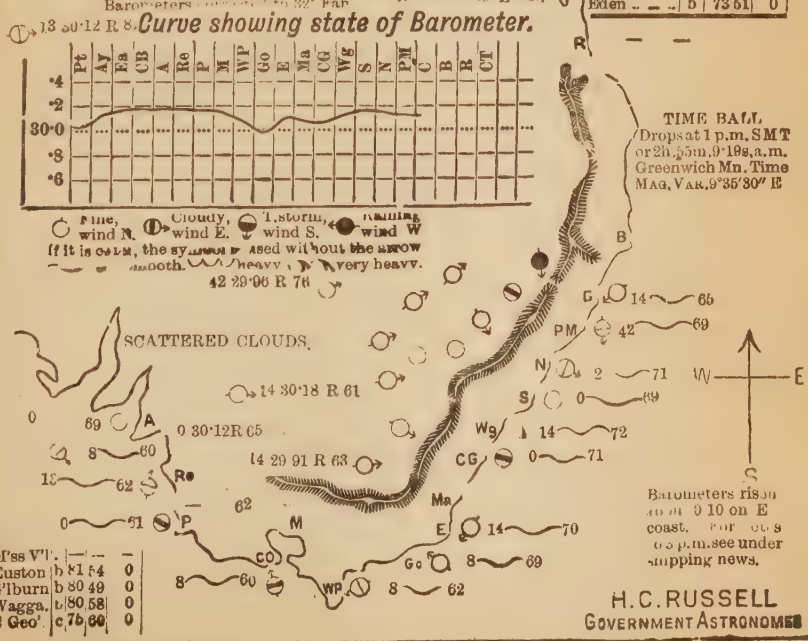
Sydney Observatory.

Lat. 33° 5 [illegible]1″ S ; *Long* 10*h.* 4*m* 50·81*s.* *E.*

Average Annual Ra[illegible]ll for 25 years 50·491.
Average for 26 years from Jan. 1st to February 29 . 9·443.
Total Rainfall fr[illegible] Jan. 1st to March 14 2·383.
Barometers [illegible] to 32° Fah [illegible] sea Level.

STATIONS.	wt	M'x	Mn	R'in
Casino ..	p	82	57	0
Bent'rfield	u	83	56	0·23
Clarence .	c	80	68	0·18
Moree ..	b	94	64	0
Grafton ..	u	87	57	0·05
Gl'n Inn's	u	77	53	0
Inverell ..	b	92	51	0
Bourke	b	92	67	0
Narrabri .	b	88	37	0
Armidale.	c	70	—	0
Bendem'r	b	80	45	0
Gunned'h	b	90	61	0
C'n'mble	b	89	65	0
Kempsey		—	—	—
Walcha..	g	74	37	0
Tamw'rth	b	86	55	0
Coomab'n.	b	87	49	0
P. M'cqrie	u	77	61	0·11
W'lcannia	b	—	—	0
Murr'ndi .	b	77	54	0
Taree.	g	78	60	0
Cassilis	b	78	56	0
Muss'br'k	b	85	53	0
Dubbo .	b	83	62	0
Menindie.	b	77	59	0
Singleton	o	81	59	0
Nels'n's B'	u	83	57	0
0 69 Mudg	o	93	51	0
Maitland.	b	79	54	0
Hill End.	b	—	—	0
N'wcastle	c	75	66	0
Orange ..	b	72	49	0
Bathurst	b	89	51	0
Forbes ..	b	90	58	0
M. Vict'ria	c	65	53	0
Carcoar .	b	72	56	0
Cond'b'lin	b	69	61	0
Marsdens	b	85	65	0
Picton ..	c	78	53	0
Sydney ..	c	73	61	0
Wentw'th	o	78	57	0
Young .	b	91	56	0
Woll'g'ng	c	79	58	0
Taralga..	b	78	52	0
Hay ..	b	81	43	0

Stations.	WT	M.X	Mn	R'in
Queanbe'an	b	77	58	0
Deniliquin.	b	82	50	0
Moruya ..	.	—	—	—
Kiandra ..	b	74	45	0
Albury	b	81	56	0
Bodalla..	b	80	56	0
Cooma	c	82	51	0
Eden ..	b	73	51	0



M'ss V'l.		—	—	—
Euston	b	81	54	0
G'lburn	b	80	49	0
Wagga.	b	80	58	0
C Geo'.	c	75	60	0

H. C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. MARCH 15 1884

Sydney Observatory.

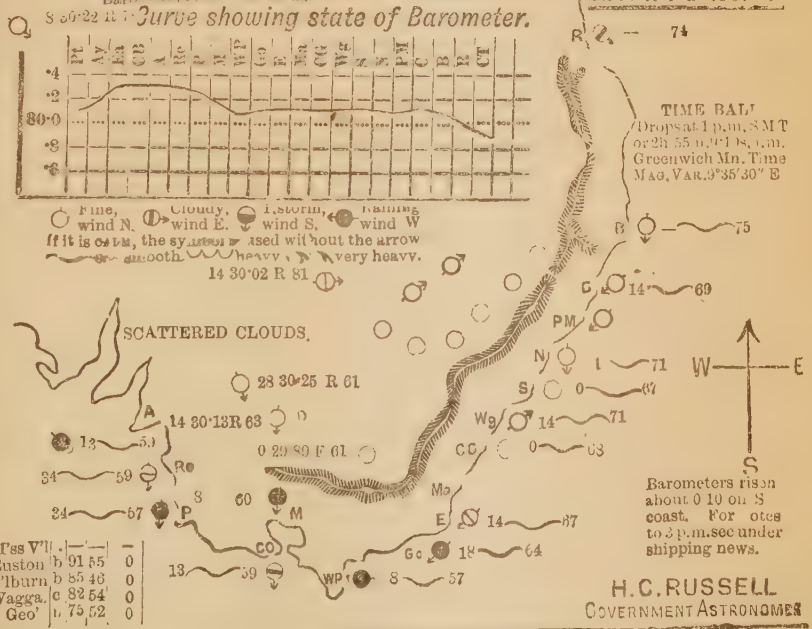
Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years ... 50·491.
Average for 26 years from Jan. 1st to February 29 . 9·143.
Total Rainfall from Jan. 1st to March 15 2·383.
Barometers corrected to 32° Fah. and Mean Sea Level.

Stations.	WT.	M.	V.	R. in
Casino .	b	80	54	0·08
Bent'rfield	b	77	48	0
Clarence .	c	81	62	0
Moree ..	b	95	63	0
Grafton	b	85	[illegible]	0
Gl'n Inn's	b	84	51	0
Inverell.	b	92	50	0
Bourke	g	95	68	0
Narrabri.	b	88	37	0
Armidale.	b	70	–	0
Bendem'r	b	81	46	0
Gunned'h	b	90	63	0
C'nimble	b	87	63	0
Kempsey		–		–
Walcha..	b	74	41	0
Tamw'rth	b	87	54	0
Coonab'n.	b	85	46	0
P. Mcquie	b	72	56	0·10
W'leannie	b	–	–	0
Murr'ndi.	b	75	55	0
Taree	b	75	54	0
Cassilis	b	75	56	0
Muss'br'l	b	84	5[illegible]	0
Dubbo .	b	83	63	0
Menindie.	b	85	65	0
Singleton	b	79	59	0
Nels'n's B'l	b	80	58	0
18 69 Mudg	b	92	52	0
Maitland.	.	—	—	—
Hill End.	b	—	—	0
N'wcastle	b	75	61	0
Orange ..	b	72	48	0
Bathurst	b	79	48	0
Forbes ..	b	90	55	0
M. Vict'ria	b	70	59	0
Carcoar .	b	72	56	0
Cond'b'lin	b	73	60	0
Marsdens	b	86	65	0
Picton ..	b	77	47	0
Sydney .	b	76	58	0
Wentw'th	b	86	57	0
Young .	b	92	53	0
Woll'g'ng	b	78	54	0
Taralga..	b	83	40	0
Hay	b	93	47	0

Stations.	WT.	M.	V.	R. in
Queanbe'an	b	76	57	0
Deniliquin.	b	89	54	0
Moruya ..	.	—	—	—
Kiandra..	b	71	45	0
Albury ...	b	86	56	0
Bodalla .	b	79	51	0
Cooma	c	85	52	0
Eden	u	74	61	0

M'ss V'll	.	—	—	—
Euston	b	91	55	0
G'lburn	b	85	46	0
Wagga.	c	82	54	0
C Geo'	b	75	52	0



H. C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. MARCH 17 1884

Sydney Observatory.

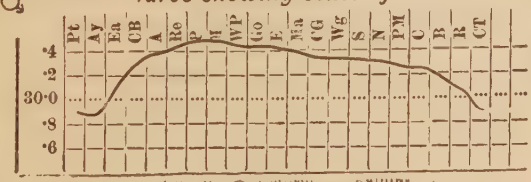
Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 25 years ..... 50·491.
Average for 26 years from Jan. 1st to February 29 . 9·443.
Total Rainfall from Jan. 1st to March 17 2·443.
Barometers corrected to 32° Fah and Mean Sea Level.

Stations.	wt	M,x	m	R'in
Casino ..	c	89	60	0·19
Fmt'rfield	d	82	53	0·58
Clarence .	g	88	62	0
Moree ..	b	96	61	0
Grafton ..	u	92	60	0·04
Gl n Inn's	u	83	51	0
Inverell.	o	84	47	0
Bourke	b	92	59	0
Narrabri .	b	91	35	0
Armidale.	c	70	—	0
Berdem'r	g	83	45	0
Gunned'h	c	9-	2	0
C'n'mble	b	89	55	0
Kempsey	.	—	—	—
Watcha..	b	75	45	0
Tamw'rth	c	88	55	0
Coonab'n.	b	89	15	0
P. M'cqrie	b	79	06	0
W'leannia	b	—	—	0
Murr'ndi.	u	79	3	0
Taree.	b	85	55	0
Cassilis	b	75	56	0
Muss'br'k	b	84	57	0
Dubbo .	b	84	54	0
Menindie.	.	—	—	—
Singleton	o	79	59	0
Nels'n's R	b	87	47	0·73
8 71 Mudg	o	94	44	0
Maitland.	l	80	52	0
Hill End.	b	—	—	0
N'wcastle	c	72	53	0·24
Orange ..	b	71	40	0
Bathurst	b	80	42	0
Forbes ..	b	80	47	0
M.Vict'ria	b	57	43	0
Carcoar .	b	75	46	0
Cond'b'lin	b	60	54	0
Marsdens	b	80	54	0
Picton ..	b	63	45	0
Sydney ..	b	67	52	0·06
Wentw'th	b	75	46	0
Young .	b	90	45	0
Wolf'g'ng	b	69	48	0
Taralga..	b	80	37	0
Hay	b	82	42	0

Stations.	wt	M,x	m	R'in
Queanbe'an	b	63	43	0
Deniliquin.	b	81	41	0
Moruya	.	—	—	—
Kiandra..	s	57	30	0
Albury ...	b	87	46	0
Bodalla .	.	—	—	—
Cooma	g	61	39	0·18
Eden	c	62	59	0·18
M'ss V'll .	—	—	—	—
Euston	b	77	44	0
G'lburn	b	67	37	0
Wagga.	b	85	42	0
C Geo'	p	70	46	0·43

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W
If it is CALM, the sy... used without the arrow
... smooth. ... heavy. ... very heavy.

TIME BALL
Drops at 1 p.m. SMT
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

SCATTERED CLOUDS.

8 30·26 R 79
42 30·20 R 56
30·36 R 54
14 30·45 R 57
24 30·15 R 55
73
74
64
63
62
60
60
54
59
58
57
54
52
56
60
62
52
56
60
58
57
54
W
E
S

Barometers fallen about 0·20 on E coast. For otes to 3 p.m. see under shipping news.

H.C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. MARCH 18 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

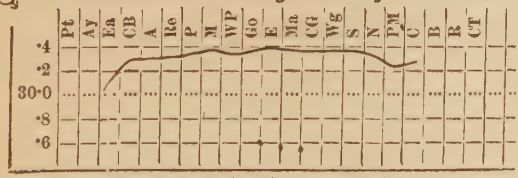
Average Annual Rainfall for 25 years ... 50·491.
Average for 26 years from Jan. 1st to February 29 . 9·443.
Total Rainfall from Jan. 1st to March 18 2·792.
Barometers corrected to 32° Fah and Mean Sea Level.

Stations.	WT	M'N	Mn	R'in
Casino .	b	77	53	0
Tent'rfield	b	83	61	0
Clarence .	b	81	60	0
Moree ..	b	94	61	0
Grafton ..	b	77	57	0
Glen Inn's	b	80	43	0
Inverell.	b	83	47	0
Bourke	b	82	57	0
Narrabri.	b	78	53	0
Armidale.	b	65	—	0
Bendem'r	b	74	38	0
Gunned'h	b	84	55	0
C'n'mble	b	79	48	0
Kempsey	.	—	—	—
Walcha..	b	66	30	0
Tamw'rth	b	76	39	0
Coonab'n.	b	75	38	0
P. M'cqrie	c	72	57	0
W'loannia	b	-	—	0
Murr'ndi.	u	68	55	0
Taree.	b	71	57	0·01
Cassilis	c	68	50	0
Muss'br'k	b	77	47	0
Dubbo .	b	83	61	0
Menindie.	c	77	55	0
Singleton	o	74	60	0
Nels'n's B'	b	68	49	0·97
23 85 Mudg	o	84	42	0
Maitland.	d	70	54	0
Hill End.	u	—	—	0
N'wcastle	c	66	55	0·18
Orange ..	b	66	39	0
Bathurst	b	61	40	0
Forbes ..	b	77	48	0
M. Vict'ria	u	53	45	0
Carcoar .	b	67	46	0
Cond'b'lin	o	62	56	0
Marsdens	b	73	56	0
Picton ..	b	65	51	0
Sydney ..	p	65	54	0·34
Wentw'th	b	81	48	0
Young .	b	80	45	0
Woll'g'ng	c	72	51	0
Taralga..	.	—	—	—
Hay ..	b	79	40	0

Stations.	WT	M'N	Mn	R'in
Queanbe'an	b	61	43	0
Deniliquin.	b	77	42	0
Moruya ..	.	—	—	—
Kiandra..	b	49	29	0
Albury ...	b	87	43	0
Bodalla .	u	67	51	0
Cooma	u	64	41	0
Eden . ..	c	64	58	0

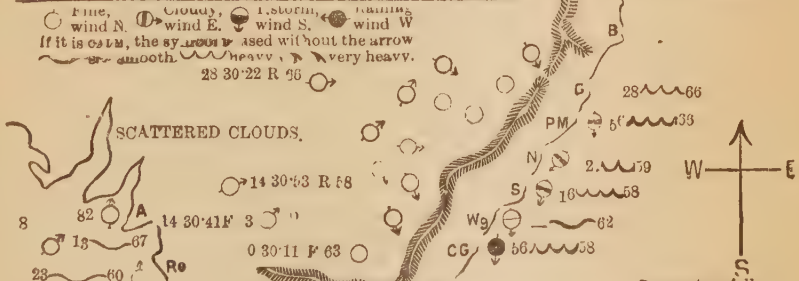
13 30·27 R 8

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining wind W

If it is calm, the symbol is used without the arrow ... smooth. ... heavy, ... very heavy.



Barometers fallen about 0 05 on S coast. For otes to 3 p.m. see under shipping news.

M'ss V'l.	.	—	—	—
Euston	b	80	38	0
G'lburn	b	65	40	0
Wagga.	b	71	46	0
C Geo'	p	64	51	0·19

H. C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. MARCH 19 1884

Sydney Observatory.

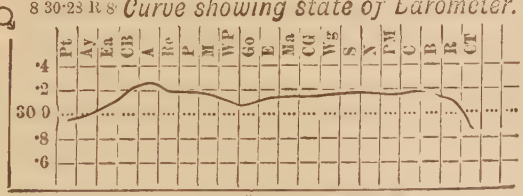
Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 25 years ..... 50·491.
Average for 26 years from Jan. 1st to February 29 . 9·443.
Total Rainfall from Jan. 1st to March 19 2·899.
Barometers corrected to 32° Fah and Mean Sea Level.

STATIONS.	wt	w'x	v'e	R'in
Casino ..	c	84	58	0
Tent'rfield	b	82	59	0
Clarence .	b	85	64	0
Moree ..	b	99	58	0
Grafton ..	b	90	63	0
Gl n Inn's	b	86	46	0
Inverell..	b	84	48	0
Bourke	b	84	59	0
Narrabri .	b	79	32	0
Armidale.	b	66	..	0
Bendem'r	b	76	43	0
Gunned'h	b	85	51	0
C'n'mble	b	80	56	0
Kempsey	.	—	—	—
Walcha..	b	66	47	0
Tamw'rth	b	82	48	0
Coonab'n.	b	79	42	0
P. M'oqrie	b	76	38	0
W'loannia	b	..	—	0
Murr'ndi.	c	69	55	0
Taree..	b	75	58	0·03
Cassilis	b	69	58	0
Muss'br'k	g	74	56	0
Dubbo .	b	78	54	0
Menindie.	b	81	56	0
Singleton	o	70	59	0
Nels'n's R'	.	—	—	—
34 87 Mudg	o	85	45	0
Maitland.	c	67	56	0·20
Hill End.	b	—	—	0
N'wcastle	b	71	58	0·23
Orange ..	b	66	43	0
Bathurst	b	73	42	0
Forbes ..	b	84	48	0
M.Vict'ria	b	65	52	0
Carcoar .	b	67	51	0
Cond'b'lin	b	63	59	0
Marsdens	o	78	57	0
Picton ..	b	71	47	0
Sydney ..	b	67	57	0·11
Wentw'th	b	89	52	0
Young .	c	85	47	0
Woll'g'ng	b	69	48	0
Taralga..	b	76	43	0
Hay	b	84	36	0

Stations.	wt	M,N	v'e	R'in
Queanbe'an	b	66	46	0
Deniliquin.	b	80	45	0
Moruya ..	.	—	—	—
Kiandra..	n	69	25	0
Albury ...	b	74	46	0
Bodalla..	b	77	42	0
Cooma	c	74	35	0
Eden . ..	c	69	51	0

8 30·23 R 8 *Curve showing state of Barometer.*



Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining wind W

If it is calm, the symbol is used without the arrow

smooth heavy very heavy.

14 30·12 F 73

TIME BALL
Drops at 1 p.m. S M T
or 2h.55m.9·19s.a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers fallen about 0·10 on S coast. For otes to 3 p.m. see under shipping news.

H.C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. MARCH 20 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

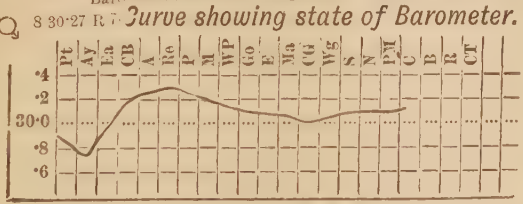
Average Annual Rainfall for 25 years ... 50·491.
Average for 26 years from Jan. 1st to February 29 . 9·443.
Total Rainfall from Jan. 1st to March 20 2·901.
Barometers corrected to 32° Fah and Mean Sea Level.

STATIONS.	wt	M'x	Vr	R'in
Casino .	b	84	77	0
Tent'rfield	g	78	53	0
Clarence .	b	84	64	0·11
Moree ..	b	93	62	0
Grafton ..	c	8[illegible]	61	0
Gl'n Inn's	b	79	51	0
Inverell.	u	83	50	0
Bourke	b	88	62	0
Narrabri .	b	80	33	0
Armidale.	b	70	[illegible]	0
Bendem'r.	b	82	45	0
Gunned'l	b	90	7	0
C'n'mble	.	—	—	—
Kempsey	.	—		—
Walcha..	b	71	40	0
Tamw'rth	b	84	[illegible]1	0
Coonab'n.	b	83	40	0
P. M'cqrie	b	77	[illegible]4	0
W'lcannia	b	—	—	0
Murr'ndi .	b	74	[illegible]1	0
Taree	b	78	52	0
Cassilis	b	75	56	0
Muss'br'k	b	83	51	0
Dubbo .	b	80	64	0
Menindie.	b	84	61	0
Singleton	o	82	52	0
Nels'n's B.	b	78	50	0
40 87 Mudg	o	91	47	0
Maitland.	c	76	51	0
Hill End.	b	—	—	0
N'wcastle	b	74	55	0
Orange ..	b	69	42	0
Bathurst	b	78	[illegible]2	0
Forbes ..	b	81	[illegible]6	0
M. Vict'ria	b	69	57	0
Carcoar .	b	69	51	0
Cond'b'lin	b	64	55	0
Marsdens	o	74	58	0
Picton ..	b	77	42	0
Sydney ..	b	73	56	0
Wentw'th	b	93	55	0
Young .	b	87	47	0
Woll'g'ng	b	76	47	0
Taralga..	b	66	32	0
Hay ..	b	86	42	0

Stations.	WT	M'x	Mr	R'in
Queanbe'an	b	74	48	0
Deniliquin.	b	86	52	0
Moruva . . .		—	—	—
Kiandra..	n	72	22	0
Albury ...	b	84	48	0
Bodalla .	b	81	41	0
Cooma	c	75	38	0
Eden .. .	c	76	65	0

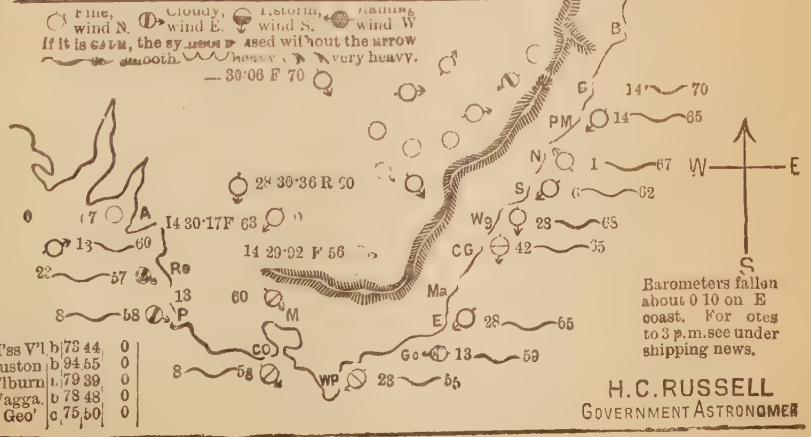
8 30·27 R 7[illegible]

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining wind W

If it is calm, the sy[illegible] used without the arrow [illegible] smooth. [illegible] heavy [illegible] very heavy.



M'ss V'l	b	73	44	0
Euston	b	94	55	0
G'lburn	b	79	39	0
Wagga.	b	78	48	0
C Geo'	c	75	50	0

Barometers fallen about 0 10 on E coast. For otes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. MARCH 21 1884

Sydney Observatory.

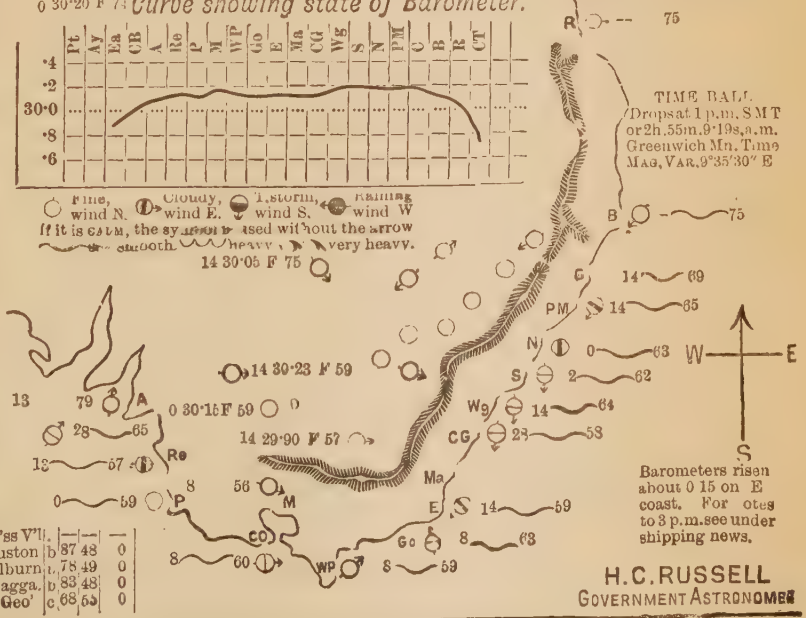
Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 25 years .... 50·491.
Average for 26 years from Jan. 1st to February 20 . 9·443.
Total Rainfall from Jan. 1st to March 21 2·906.
Barometers corrected to 32° Fah and Mean Sea Level.

STATIONS.	wt	M'x	Vt	R'in
Casino ..	b	86	55	0
Tent'rfield	b	80	53	0
Clarence .	c	86	62	0
Moree ..	b	94	62	0
Grafton ..	b	90	61	0
Gl n Inn's	b	84	45	0
Inverell..	b	83	48	0
Bourke	b	90	61	0
Narrabri.	b	86	35	0
Armidale.	b	70	--	0
Bendem'r	b	80	44	0
Gunned'h	b	92	62	0
C'n'mble	b	85	51	0
Kempsey	.	—	—	--
Walcha..	b	74	35	0
Tamw'rth	b	85	57	0
Coonab'n.	b	87	62	0
P. M'oqrie	b	78	57	0
W'leannia	b	—	—	0
Murr'ndi.	b	78	55	0
Taree..	b	83	61	0
Cassilis	b	77	58	0
Muss'br'k	c	86	56	0
Dubbo .	b	81	61	0
Menindie.	b	88	60	0
Singleton	o	81	61	0
Nels'n's B	b	83	58	0·01
13 84 Mudg	c	94	50	0
Maitland.	u	77	59	0
Hill End.	b	—	--	0
N'wcastle	g	78	62	0·04
Orange ..	b	71	48	0
Bathurst	b	78	44	0
Forbes ..	b	84	53	0
M. Vict'ria	u	72	55	0
Carcoar .	b	69	55	0
Cond'b'lin	b	67	56	0
Marsdens	b	87	61	0
Picton ..	c	76	46	0
Sydney ..	g	73	60	0·01
Wentw'th	b	86	57	0
Young .	b	93	53	0
Woll'g'ng	c	76	54	0·05
Taralga..	b	80	49	0
Hay ..	b	82	36	0

Stations.	WT	M.x	Vt	R'in
Queanbe'an	b	74	52	0
Deniliquin.	b	81	44	0
Moruya ..	.	—	—	—
Kiandra..	f	71	38	0
Albury ...	b	85	43	0
Bodalla..	b	78	48	0
Cooma	b	73	47	0
Eden	c	69	52	0

M'ss V'll.	.	—	—	—
Euston	b	87	48	0
G'lburn	b	78	49	0
Wagga.	b	83	48	0
C Geo'	c	68	55	0



H.C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. MARCH 22 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

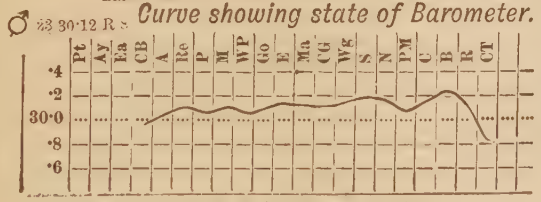
Average Annual Rainfall for 25 years ... 50·491.
Average for 26 years from Jan. 1st to February 29 . 9·443.
Total Rainfall from Jan. 1st to March 22 2·906.
Barometers corrected to 32° Fah. and Mean Sea Level.

STATIONS.	wt	M'x	Vn	R'in
Casino .	.	—	—	0
Bent'rfield	b	82	62	0
Clarence .	.	—	—	—
Moree ..	b	95	63	0
Grafton ..	.	—	—	
Gl'n Inn'	b	81	51	0
Invereli.	b	84	47	0
Bourke	b	94	62	0
Narrabri .	c	87	37	0
Armida' .	.	—	—	...
Bendem'r	b	80	45	0
Gunned'n	b	91	60	0
C'n'mble	b	88	59	0
Kempsey	.	—	—	—
Walcha..	b	75	39	0
Tamw'rth	b	85	54	0
Coonab'n.	b	89	43	0
P. M'cqrie	b	75	54	—
W'leannia	b	—	—	0
Murr'ndi .	b	76	54	0
Taree..	b	75	51	0
Cassilis	b	71	54	0
Muss'br'k	b	83	53	0
Dubbo .	b	82	61	0
Menindie.	b	83	60	0
Singleton	b	77	53	0
Nels'n's B		75	53	0
Mudg	b	91	51	0
Maitland.	b	69	53	0
Hill End.	b	—	—	0
N'wcastle	b	70	55	0
Orange ..	b	70	48	0
Bathurst	b	79	47	0
Forbes ..	b	84	52	0
M. Vict'ria	b	72	55	0
Carcoar .	b	69	58	0
Cond'b'lin	b	66	57	—
Marsdens	b	86	61	0
Picton ..	b	75	54	0
Sydney ..	b	69	57	0
Wentw'th	b	91	51	0
Young .	b	90	54	0
Woll'g'ng	b	74	56	0
Taralga..	b	86	48	0
Hay	b	83	43	0

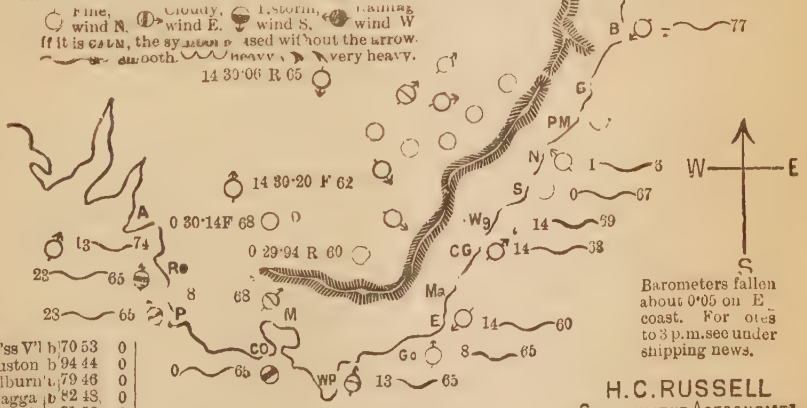
M'ss V'l	b	70	53	0
Euston	b	94	44	0
G'lburn'n	b	79	46	0
Wagga	b	82	48	0
C Geo'	c	71	53	0

Stations.	WT	M'x	Vn	R'in
Queanbe'an	b	70	50	0
Deniliquin.	b	81	49	0
Moruya ..	.	—	—	—
Kiandra..	n	73	34	0
Albury ...	b	85	52	0
Bodalla..	b	75	46	0
Cooma	c	80	38	0
Eden	c	67	53	0

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. Storm, wind S. Raining wind W.
If it is calm, the symbol is used without the arrow.
smooth. heavy. very heavy.



Barometers fallen about 0·05 on E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. MARCH 24 1884

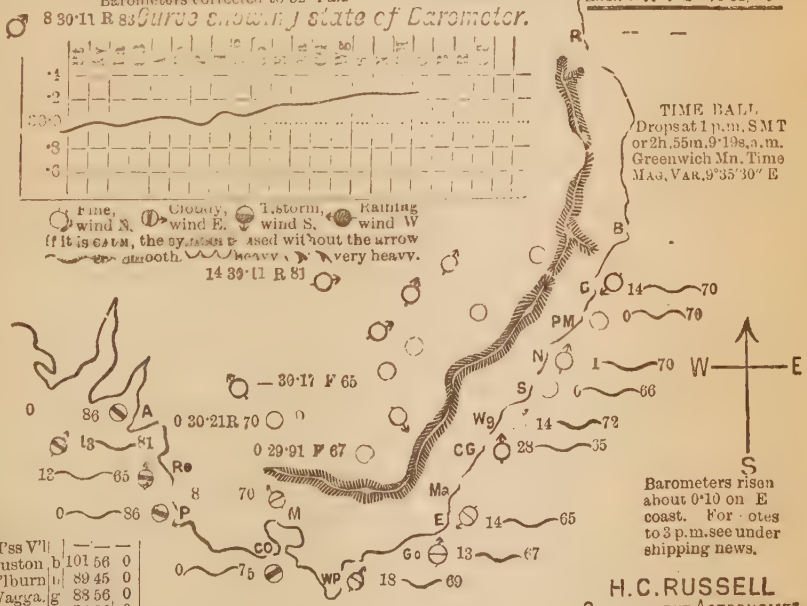
Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years ..... 50·491.
Average for 26 years from Jan. 1st to February 29 . 9·443.
Total Rainfall from Jan. 1st to March 24 2·906.
Barometers corrected to 32° Fah. and Mean Sea Level.

STATIONS.	wt	M'x	M'n	R'in
Casino ..	b	85	57	0
Tent'rfield	b	84	45	0
Clarence .	b	85	59	0
Moree ..	b	96	64	0
Grafton ..	b	87	62	0
Gl'n Inn's	b	91	51	0
Inverell.	b	85	49	0
Bourke	b	98	69	0
Narrabri .	b	89	35	0
Armidale.	b	71	—	0
Bendem'r	b	84	47	0
Gunned'h	b	92	63	0
C'n'mble	b	91	64	0
Kempsey	.	—	—	—
Walcha..	b	77	45	0
Tamw'rth	b	90	57	0
Coonab'n.	b	91	46	0
P. M'cqrie	b	81	54	0
W'loannia	b	—	—	0
Murr'ndi .	b	81	52	0
Taree..	b	81	53	0
Cassilis	b	80	56	0
Muss'br'k	b	87	54	0
Dubbo ..	b	87	63	0
Menindie.	b	93	65	0
Singleton	b	82	59	0
Nels'n's B'	b	84	60	0
0 68 Mudg	b	96	52	0
Maitland.	b	77	52	0
Hill End.	b	—	—	0
N'wcastle	b	75	64	0
Orange ..	b	77	51	0
Bathurst	b	88	48	0
Forbes ..	b	90	56	0
M. Vict'ria	b	77	64	0
Carcoar .	b	77	62	0
Cond'b'lin	b	78	60	0
Marsdens	b	71	66	0
Picton ..	b	81	48	0
Sydney ..	b	74	58	0
Wentw'th	c	99	56	0
Young .	g	101	59	0
Woll'g'ng	b	80	54	0
Taralga..	b	86	48	0
Hay	b	99	52	0

Stations.	WT	M'x	M'n	R'in
Queanbe'an	b	79	52	0
Deniliquin.	b	97	54	0
Moruya ..	.	—	—	—
Kiandra..	n	80	39	0
Albury ...	b	93	57	0
Bodalla..	b	83	43	0
Cooma	c	89	48	0
Eden	u	74	61	0



M'ss V'l		—	—	—
Euston	b	101	56	0
G'lburn	b	89	45	0
Wagga.	g	88	56	0
C Geo'	b	75	56	0

H. C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

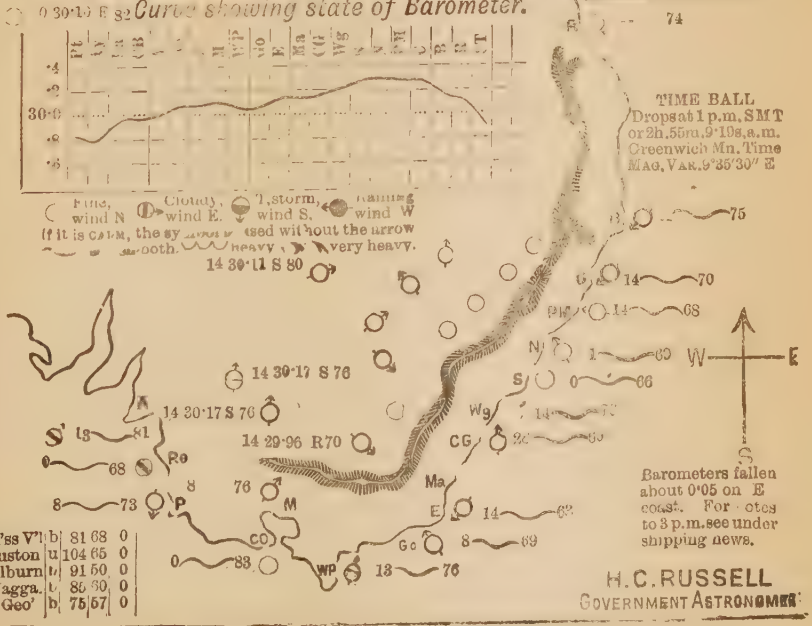
From Telegrams for 9 A.M. & 3 P.M. MARCH 25 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long* 19*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years ..... 50·491.
Average for 26 years from Jan. 1st to February 29 .. 9·443.
Total Rainfall from Jan. 1st to March 25 2·907.
Barome[illegible] to 32° Fah and Mean Sea Level.

Stations.	wt	M'x	Mn	R'in
Queanbe'an	b	81	58	0
Deniliquin.	b	99	43	0
Moruya ...	.	—	—	—
Kiandra...	n	80	36	0
Albury ...	b	97	52	0
Bodalla..	b	87	4[illegible]	0
Cooma	b	90	45	0
[illegible]	b	76	63	0



Stations.	wt	M'x	Mn	R'in
[illegible]asino ..	b	85	54	0
[illegible]nt'rfield	b	82	51	0
[illegible]arence .	b	84	60	0
[illegible]oree ..	b	95	64	0
[illegible]afton ..	b	92	60	0
[illegible]n Inn's	b	91	50	0
[illegible]verell.	b	84	50	0
[illegible]urke	b	96	67	0
[illegible]rrabri.	b	88	45	0
[illegible]midale.	o	72	—	0
[illegible]ndem'r	b	85	46	0
[illegible]mned'h	b	94	69	0
[illegible]'mble	c	89	64	0
[illegible]mpsey	.	—	—	—
[illegible]lcha..	b	78	37	0
[illegible]mw'rth	b	91	54	0
[illegible]onab'n.	b	92	47	0
[illegible]M'cqrie	b	81	57	0
[illegible]cannia	b	--	—	0
[illegible]rr'ndi	b	83	56	0
[illegible]ee.	b	85	53	0
[illegible]silis	b	83	58	0
[illegible]ss'br'k	b	89	55	0
[illegible]obo .	b	88	63	0
[illegible]nindie.	c	98	65	0
[illegible]igleton	o	86	57	0
[illegible]'n's B'	o	83	58	0
[illegible] 0 70				
[illegible] Mudg	m	99	54	0
[illegible]tland.	b	81	55	0
[illegible] End.	b	—	--	0
[illegible]castle	b	79	62	0
[illegible]nge ..	b	78	52	0
[illegible]urst	b	89	51	0
[illegible]oes ..	o	87	57	0
[illegible]ict'ria	b	78	67	0
[illegible]oar .	b	77	51	0
[illegible]	b	79	64	0
[illegible]	o	79	66	0
[illegible] ..	b	83	48	0
[illegible]ey ..	b	76	59	0
[illegible]tw'th	c	105	63	0
[illegible]ng .	b	99	56	0
[illegible]'g'ng	b	81	59	0
[illegible]lga	b	96	47	0
[illegible]	b	101	68	0

M'ss V'l	b	81	68	0
Euston	u	104	65	0
G'lburn	b	91	50	0
Wagga.	b	85	60	0
C Geo'	b	75	57	0

WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. MARCH 26 1884

Sydney Observatory.

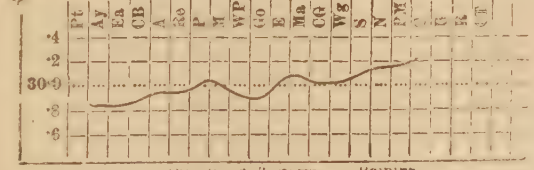
Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years 50·491.
Average for 26 years from Jan. 1st to February 29 . 9·443.
Total Rainfall from Jan. 1st to March 26 2·907.
Barometers corrected to 32° Fah and Mean Sea Level.

Stations.	wt	M'x	Mn	R'in
Casino ..	b	85	58	0
Bent'rfield	b	73	45	0
Clarence .	b	87	61	0
Moree ..	b	95	64	0
Grafton ..	b	91	62	0
Gl'n Inn's	b	79	46	0
Inverell..	b	84	47	0
Bourke	b	91	70	0
Nacabri.	b	90	39	0
Armidale.	b	73	—	0
Bendem'r	t	83	44	0
Gunned'h	.	—	—	—
C'nimble	c	91	65	0
Kennsey	.	—	—	—
Walcha..	b	77	35	0
Tamw'rth	b	90	53	0
Coonab'n.	m	92	47	0
P. Macqrie	b	81	54	0
W'lcannia	b	—	—	0
Murr'ndi.	b	84	65	0
Taree.	b	88	51	0
Cassilis	b	78	61	0
Muss'br'k	b	92	56	0
Dubbo .	b	89	65	0
Menindie.	c	97	73	0
Singleton	b	85	58	0
Nels'n's R.	b	84	56	0
0 74 Mudg	c	100	51	0
Maitland.	b	79	56	0
Hill End.	b	—	—	0
N'wcastle	b	76	60	0
Orange ..	b	79	53	0
Bathurst	c	89	52	0
Forbes ..	c	90	55	0
M. Vict'ria	c	82	68	0
Carcoar .	b	78	60	0
Cond'b'lin	c	77	69	0
Marsdens	b	96	68	0
Picton ..	m	82	51	0
Sydney ..	b	79	61	0
Wentw'th	c	105	68	0
Young .	b	105	57	0
Woll'g'ng	b	82	57	0
Taralga..	b	96	44	0
Hay ..	c	102	57	0

Stations.	WT	M.X	Mn	R'in
Queanbe'an	b	85	62	0
Deniliquin.	b	81	67	0
Moruya ..	.	—	—	—
Kiandra..	c	78	41	0
Albury ..	g	98	64	0
Bodalla..	b	92	49	0
Cooma ..	c	91	49	0
Eden ..	b	77	50	0

23 30·00 R 79 *Curve showing state of Barometer.*



Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining wind W

If it is calm, the symbol is used without the arrow.

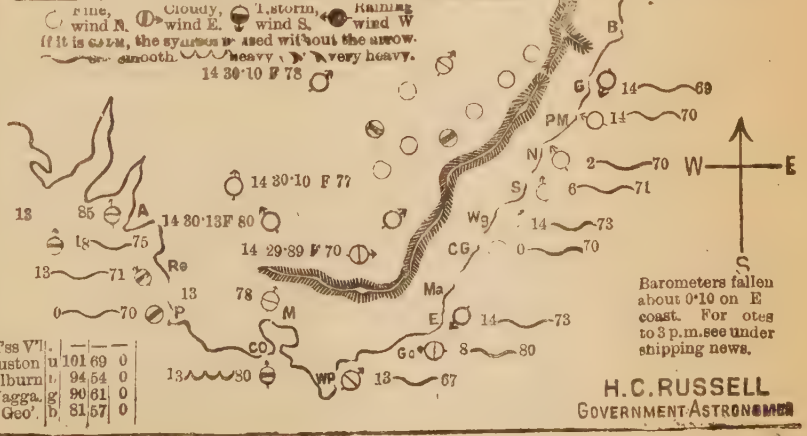
smooth. heavy. very heavy.

14 30·10 F 78

14 30·10 F 77

14 30·13 F 80

14 29·89 F 70



TIME BALL
Drops at 1 p.m. S M T
or 2h.55m.9·19s.a.m.
Greenwich Mn. Time
Mag. Var. 9°35′30″ E

Barometers fallen about 0·10 on E coast. For otes to 3 p.m. see under shipping news.

M'ss V'l	.	—	—	—
Euston	u	101	69	0
G'lburn	b	94	54	0
Wagga.	g	90	61	0
C Geo'.	b	81	57	0

H. C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. MARCH 27 1884

Sydney Observatory.

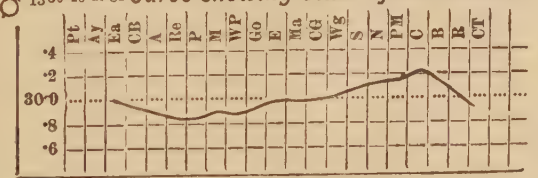
Lat. 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .... 50·491.
Average for 26 years from Jan. 1st to February 29 .. 9·443.
Total Rainfall from Jan. 1st to March 27 2·907.
Barometers corrected to 32° Fah and Mean Sea Level.

Stations.	WT	M'x	MN	R'in
Casino ..	b	86	57	0
Dent'rfield	b	80	41	0
Clarence .	c	86	61	0
Moree ..	b	96	62	0
Grafton ..	b	95	62	0
Gl'n Inn's	b	84	49	0
Inverell..	b	84	50	0
Bourke .	b	98	69	0
Narrabri .	b	90	40	0
Armidale.	b	72	—	0
Bendem'r	b	86	51	0
Gunned'h	b	94	63	0
C'n'mble	c	93	61	0
Kempsey	.	—	—	—
Walcha..	b	80	45	0
Tamw'rth	b	90	54	0
Coonab'n.	c	93	48	0
P. M'cqrie	m	82	60	0
W'lcannia	b	—	—	0
Murr'ndi .	b	83	64	0
Taree..	.	—	—	—
Cassilis	b	95	62	0
Muss'br'k	c	95	65	0
Dubbo .	b	87	65	0
Menindie.	b	98	72	0
Singleton	o	91	65	0
Nels'n's B.	b	81	63	0
13 70 Mudg	b	98	54	0
Maitland.	b	89	65	0
Hill End.	b	—	--	0
N'wcastle	b	91	67	0
Orange ..	b	78	53	0
Bathurst	b	84	55	0
Forbes ..	b	88	59	0
M. Vict'ria	b	82	68	0
Carcoar .	b	77	62	0
Cond'b'lin	b	80	68	0
Marsdens	b	92	66	0
Picton ..	c	90	57	0
Sydney ..	b	82	67	0
Wentw'th	b	106	51	0
Young .	b	96	56	0
Woll'g'ng	m	84	57	0
Taralga..	b	86	42	0
Hay	b	89	56	0

Stations.	WT	M'x	MN	R'in
Queanbe'an	b	86	60	0
Deniliquin.	b	98	62	0·04
Moruya ...	.	—	—	—
Kiandra ...	b	82	44	0
Albury	b	95	63	0
Bodalla..	b	93	54	0·01
Cooma	c	86	45	0·05
Eden	b	92	62	0·07

13 30·10 R 81 *Curve showing state of Barometer.*

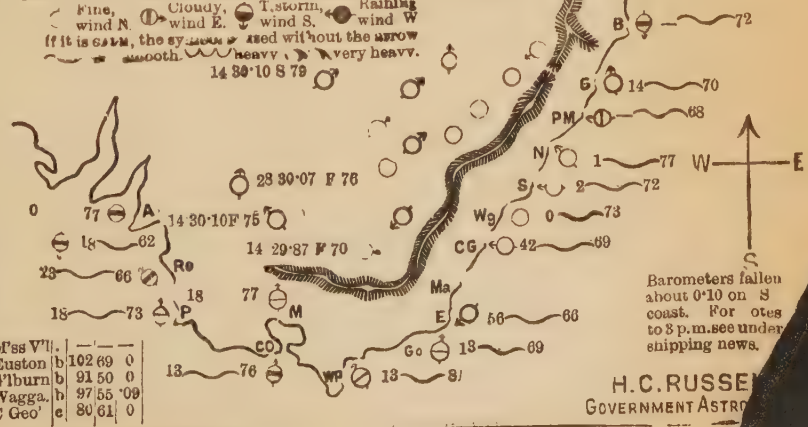


Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining wind W

If it is calm, the symbol is used without the arrow

smooth. heavy very heavy.

14 30·10 S 79



TIME BALL
Drops at 1 p.m. S M T or 2h.55m.9·10s.a.m. Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers fallen about 0·10 on S coast. For otes to 3 p.m. see under shipping news.

M'ss V'l.	.	—	—	—
Euston	b	102	69	0
G'lburn	b	91	50	0
Wagga.	b	97	55	·09
C Geo'	c	80	61	0

H.C. RUSSE[illegible]
GOVERNMENT ASTRO[illegible]

WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. MARCH 28 1884

Sydney Observatory.

Lat 33° 51′ 41″ *S* ; *Long* 10*h*. 4*m*. 50·81*s*. *E*.

Average Annual Rainfall for 25 years 50·491.
Average for 16 years from Jan 1st to February 29 . 9·443.
Total Rainfall from Jan 1st to March 28 2·907.
Barometer [illegible] Far [illegible] Sea Level.

Stations.	WT	M.X	MN	R'in
Casino .	b	91	49	0
Tent'rfield	b	86	47	0
Clarence .	b	86	64	0
Moree ..	b	93	[illegible]	0
Grafton ..	b	95	61	0
Gl'n Inn's	b	90	47	0
Inverell.	b	84	[illegible]	0
Bourke	b	92	69	0
Narrabri .	b	89	37	0
Armidale.	b	74	—	0
Bendem'r	b	84	51	0
Gunned'h	m	95	63	0
C'n'mble	c	89	[illegible]	0
Kempsey	.	—	—	—
Walcha..	b	76	[illegible]	[illegible]
Tamw'rth	b	90	[illegible]	0
Coomab'n.	b	90	47	0
F. M'cqrie	m	83	57	0
W'lcannia	b	—	—	0
Murr'ndi .	b	85	64	0
Taree..	b	91	55	0
Cassilis	b	84	58	0·03
Muss'br'k	b	98	60	0
Dubbo .	b	88	63	0
Menindie.	b	96	73	0
Singleton	b	90	61	0
Nels'n's B'	b	81	64	0
Mudg	b	99	52	0
Maitland.	b	90	58	0
Hill End.	b	—	—	0
N'wcastle	b	80	64	0
Orange ..	b	78	51	0
Bathurst	.	—	—	—
Forbes ..	b	89	58	0
M. Vict'ria	b	79	67	0
Carcoar .	b	77	61	0
Cond'b'lin	b	80	65	0
Marsdens	b	94	67	0
Picton ..	b	89	52	0
Sydney ..	b	87	63	0
Wentw'th	d	101	70	0·05
Young ..	m	96	56	0
Woll'g'ng	b	87	56	0
Taralga..	b	92	43	0
Hay ..	c	96	51	0

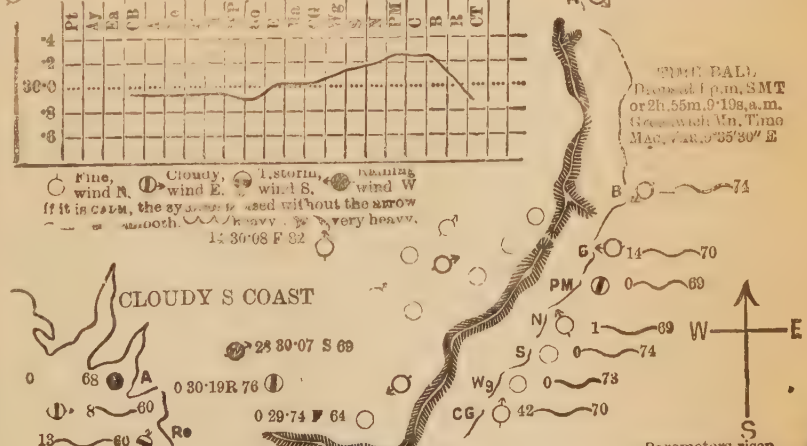
Stations.	WT	M.X	MN	R'in
Queanbe'an	b	58	58	0
Deniliquin.	g	97	70	0
Moruya	.	—	—	—
Kiandra	b	82	44	0
Albury ...	b	95	57	0
Bodalla .	b	97	50	0
Cooma	c	91	43	0
Eden ..	c	77	61	0

8 30·0 F 8 *Curve showing state of Barometer.*

Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining wind W

If it is calm, the sy[illegible] used without the arrow [illegible] smooth. [illegible] heavy. [illegible] very heavy.

14 30·08 F 82



Barometers risen about 0·05 on S coast. For notes to 3 p.m. see under shipping news.

M'ss V'l	c	86	58	·08
Euston	.	—	—	—
G'lburn	b	90	49	0
Wagga.	b	85	55	0
C Geo'.	c	83	61	0

H. C. RUSSEL[illegible]
GOVERNMENT ASTR[illegible]

WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. MARCH 31 1884

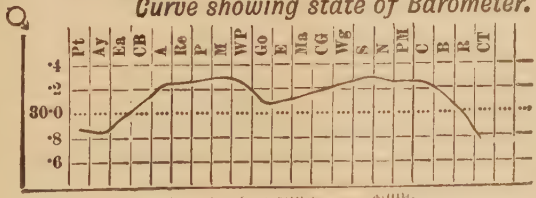
Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 25 years 50·491.
Average for 26 years from Jan. 1st to February 29. 9·443.
Total Rainfall from Jan. 1st to March 31 2·907.
Barometers corrected to 32° Fah and Mean Sea Level.

Stations.	wt	M'x	Mn	R'in
Queanbe'an	g	84	64	0·23
Deniliquin.	b	98	[illegible]	0·13
Moruya ..	.	—	—	—
Kiandra..	f	71	47	58
Albury ..	b	84	59	0·37
Bodalla..	b	86	61	0·15
Coom.		85	58	0·40
Eden .	.	—	—	—

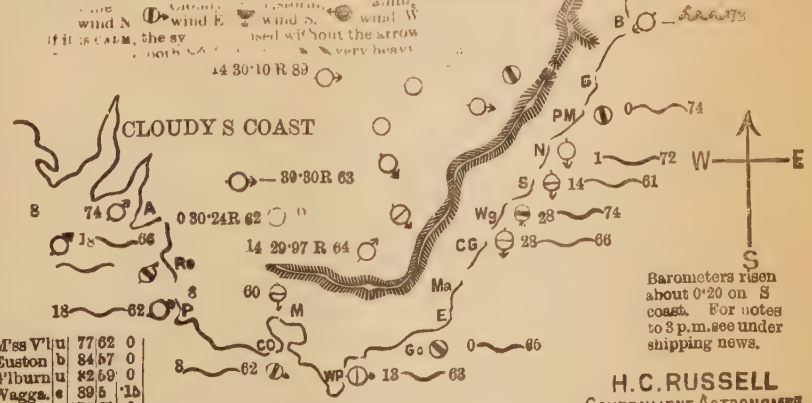
Curve showing state of Barometer.



wind N wind E wind S. wind W

If it is calm, the sy ised without the arrow

both very heavy



Barometers risen about 0·20 on S coast. For notes to 3 p.m. see under shipping news.

STATIONS.	wt	M'x	Mn	R'in
Casino ..	.	—	—	—
Tent'rfield	u	86	55	0
Clarence .	.	—	—	—
Moree ..	b	96	65	0
Grafton	.	—	—	—
Gl'n Inn's	c	88	54	0
Inverell.	b	85	53	0
Bourke	b	99	70	0
Narrabri.	b	90	37	0
Armidale.	b	74	—	0
Bendem'r	b	83	49	0
Gunned'h	.	—	—	..
C'n'mble	b	95	65	0
Kempsey	.	—	—	—
Walcha..	b	76	46	0
Tamw'rth	b	85	58	0
Coonab'n.	b	89	50	0
P. M'eqrie	c	80	61	0
W'lcannia	b	—	—	0
Murr'ndi.	u	85	61	0
Taree..	.	—	—	—
Cassilis	b	91	59	0
Muss'br'k	c	62	50	0
Dubbo .	b	88	63	0
Menindie.	b	87	66	0
Singleton	b	88	63	0
Nels'n's B'	b	84	62	0
8 59 Mudg	b	98	57	0
Maitland.	c	86	62	0
Hill End.	b	—	—	0
N'wcastle	b	79	66	0
Orange ..	b	78	58	0
Bathurst	b	89	54	0
Forbes ..	b	84	57	0
M. Vict'ria	u	72	60	0·12
Carcoar .	b	78	66	0
Cond'b'lin	c	74	63	0
Marsdens	b	95	68	0
Picton ..	c	86	60	0
Sydney ..	c	77	67	0
Wentw'th	b	78	58	0
Young .	c	89	60	0·01
Woll'g'ng	c	86	63	0
Taralga..	.	—	—	
Hay ..	b	84	44	0

M'ss V'l	u	77	62	0
Euston	b	84	57	0
G'lburn	u	82	59	0
Wagga.	c	89	5	·15
C Geo'.	c	76	61	0

H. C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

APRIL 1 1884

From TELEGRAMS for 9 A.M. & 3 P.M.

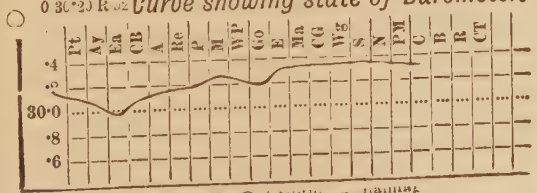
Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years . . . 50·491.
Average for 26 years from Jan. 1st to March 31. 14·281
Total Rainfall from Jan. 1st to April 1 . . . 2·908.
Barometers corrected to 32° Fah and Mean Sea Level.

Stations.	WT	M	Vp	R'in
Queanbe'an	b	79	64	0
Deniliquin.	b	86	55	0
Moruva . . .	.	—	—	—
Kiandra . .	b	72	44	0
Albury . . .	b	83	59	0
Bodalla . .	g	82	63	0
Cooma	c	86	59	0
Eden	u	71	63	0

ATIONS.	wt	M'x	Vp	R'in
.sino .	p	85	55	0·02
nt'rfield	b	78	49	0
arence .	c	84	63	0·39
oree . .	c	98	66	0
rafton . .	b	84	59	0
l n Inn's	b	83	43	0
nverell.	b	84	48	0
Bourke	m	99	70	0
Narrabri .	b	89	35	0
rmidale.	c	72	—	0
Bendem'r	b	80	50	0
Gunned'h	.	—	—	—
J'n'mble	b	97	65	0
Kempsey	.	—	—	—
Walcha. .	b	77	42	0
Tamw'rth	b	89	56	0·03
Coonab'n.	b	91	49	0
P. M'cqrie	c	80	50	0·06
W'lcannia	b	—	—	0
Murr'ndi .	b	81	58	0
Taree . .	b	84	53	0
Cassilis	b	85	59	0
Muss'br'k	b	87	60	0
Dubbo .	b	88	65	0
Menindie.	b	89	69	0
Singleton	b	80	61	0
Nels'n's B'	b	84	61	0
13 78 S Mudg	b	96	58	0
Maitland.	b	86	59	0
Hill End.	b	—	—	0
N'wcastle	b	75	65	0
Orange . .	b	76	55	0
Bathurst	b	89	54	0
Forbes . .	b	89	62	0
M. Vict'ria	b	75	58	0
Carcoar .	.	—	—	.
Cond'b'lin	c	78	65	0
Marsdens	b	94	71	0
Picton . .	c	82	58	0·03
Sydney . .	b	77	63	0
Wentw'th	b	86	60	0
Young .	c	98	62	0
Woll'g'ng	b	83	55	0
Taralga. .	b	89	58	0·08
Hay — —	b	88	49	0



M'ss V'l.	.	—	—	—
Euston	b	90	53	0
G'lburn	b	87	56	0
Wagga.	b	91	62	0
C Geo'	c	78	61	0

Barometers risen about 0·10 on E coast. For otes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. APRIL 2 1884

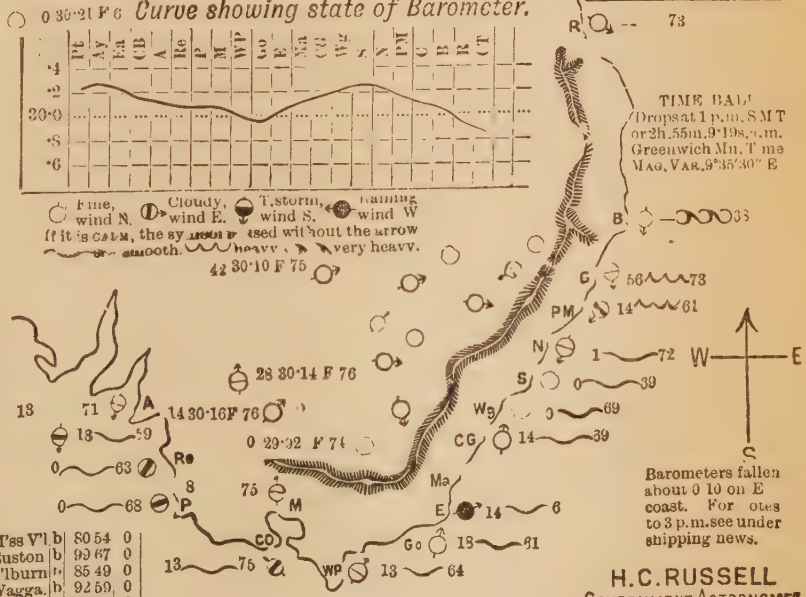
Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .. 50·491.
Average for 26 years from Jan. 1st to March 31. 14·281
Total Rainfall from Jan. 1st to April 2 ... 2·909.
Barometers corrected to 32° Fah and Mean Sea Level.

STATIONS.	wt.	M'N	VT	R'in
Casino .	b	84	55	0
Tent'rfield	u	72	[illegible]	0
Clarence .	c	81	66	0
Moree ..	b	94	60	0
Grafton .	c	84	57	0
Gl'n Inn's	c	84	48	0
Inverell.	o	84	47	0
Bourke	b	99	70	0
Narrabri .	b	83	35	0
Armidale.	u	69	—	0
Bendem'r	g	76	45	0
Gunned'h	b	93	60	0
C'n'mble	b	89	62	0
Kempsey	.	—	—	—
Walcha..	g	71	45	0
Tamw'rth	b	84	[illegible]	0
Coonab'n.	b	88	48	0
P. M'cqrie	u	90	60	0·29
W'lcannia	c	—	—	0
Murr'ndi .	b	79	59	0
Taree..	d	82	59	0
Cassilis	.	—	—	—
Muss'br'k	b	86	60	0
Dubbo .	b	92	[illegible]	0
Menindie.	b	96	75	0
Singleton	b	83	53	0
Nels'n's B.	u	73	60	0 13
8 64				
Mudg	b	93	54	0
Maitland.	b	86	59	0
Hill End.	b	—	—	0
N'wcastle	c	75	65	0
Orange ..	o	75	50	0
Bathurst	b	84	44	0
Forbes ..	b	70	58	0
M. Vict'ria	b	72	59	0
Carcoar .	b	76	66	0
Cond'b'lin	o	74	66	0
Marsdens	b	94	70	0
Picton ..	b	83	52	0·02
Sydney ..	o	76	62	0
Wentw'th	c	97	66	0
Young .	b	95	57	0
Woll'g'ng	b	83	54	0
Taralga..	b	86	57	0
Hay ..	b	93	55	0

Stations.	wt.	M'N	VT	R'in
Queanbe'an	b	81	58	0
Deniliquin.	b	94	60	0
Moruya ..	.	—	—	—
Kiandra..	f	79	42	0
Albury ...	b	92	[illegible]	0
Bodalla .	b	85	54	0
Cooma	b	85	51	0
Eden . ..	p	70	67	0



M'ss V'l	b	80	54	0
Euston	b	99	67	0
G'lburn	b	85	49	0
Wagga.	b	92	59	0
C Geo'	b	78	56	0

H. C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. APRIL 3 1884

Sydney Observatory.

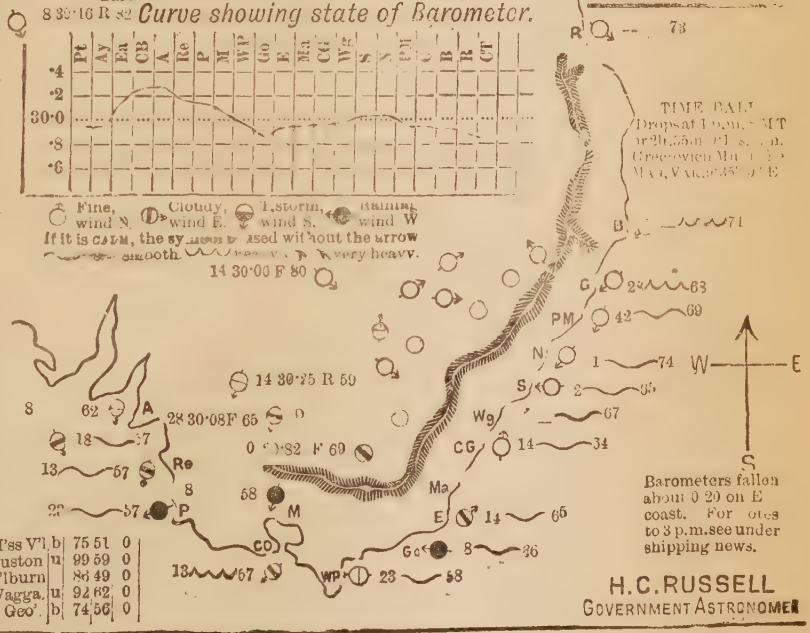
Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years ... 50·401.
Average for 26 years from Jan. 1st to March 31. 14·281
Total Rainfall from Jan. 1st to April 3 ... 2·910.
Barometers corrected to 32° Fah and Mean Sea Level.

STATIONS.	wt	M'x	M'n	R'in
Casino ..	b	80	51	0
Pent'rfield	b	76	31	0
Clarence .	b	80	62	0
Moree ..	b	94	60	0
Grafton .	b	84	57	0
Glen Inn's	b	82	44	0
Inverell.	b	84	45	0
Bourke	b	91	66	0
Narrabri .	b	85	40	0
Armidale.	b	67	—	0
Bendem'r	b	75	42	0
Gunned'h	b	—	57	0
C'nmble	b	89	62	0
Kempsey	.	—	—	—
Walcha..	g	61	45	0
Tamw'rth	b	82	47	0
Coonab'n.	b	84	45	0
P. M'cqrie	b	79	58	0
V'lcannia	c	—	—	0
Murr'ndi .	f	74	53	0
Taree..	b	79	56	0
Cassilis	b	71	55	0
Muss'br'k	b	83	54	0
Dubbo .	b	9[illegible]	58	0
Menindie.	u	95	70	0
Singleton	b	80	56	0
Nels'n's B.	c	84	57	0·03
0 66 Mudg	b	95	49	0
Maitland.	b	76	53	0 13
Hill End.	b	—	—	0
N'wcastle	b	75	60	0
Orange ..	b	75	49	0
Bathurst	b	82	49	0
Forbes ..	c	87	59	0
M. Vict'ria	b	72	58	0
Carcoar .	b	75	59	0
Cond'b'lin	c	75	47	0
arsdens	c	90	68	0
icton ..	b	80	50	0
Sydney ..	b	75	59	0
Wentw'th	c	96	58	0·01
Young .	c	97	53	0
Woll'g'ng	b	81	55	0
Taralga..	b	89	60	0
Hay ..	u	97	54	0

M'ss V'l	b	75	51	0
Euston	u	99	59	0
G'lburn		86	49	0
Wagga.	u	92	62	0
C Geo'.	b	74	56	0

Stations.	WT.	M'x	M'n	R'in
Queanbe'an	b	79	51	0
Deniliquin.	g	90	60	0
Moruva ..	.	—	—	—
Kiandra..	c	77	64	0
Albury ...	o	91	66	0
Bodalla .	b	81	51	0
Cooma	c	81	52	0
Eden	u	74	62	0



WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. APRIL 4 1884

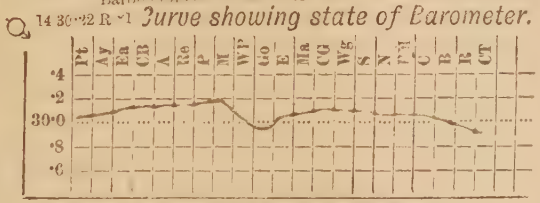
Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 25 years 50·491.
Average for 26 years from Jan. 1st to March 31. 14·281
Total Rainfall from Jan. 1st to April 4 .. 3·078.
Barometers corrected to 32° Fah. [illegible] Level.

Stations.	WT	M	[illegible]	R'in
Queanbe'an	b	78	61	0
Deniliquin.	b	81	49	0
Moruva ..	.	—	—	—
Kiandra..	c	69	48	0
Albury ...	b	81	47	0
Bodalla .	g	79	50	0·02
Cooma	p	81	52	0·10
Eden .. .	c	68	57	0·08

TIONS.	wt	M	[illegible]	R'in
ino .	b	88	52	0
t'rfield	b	80	45	0
rence .	b	80	60	0
ree ..	b	94	62	0
fton .	b	94	63	0
n Inn's	c	85	58	0
verell.	b	85	46	0
urke	b	96	72	0
rrabri .	b	86	35	0
midale.	c	68	—	0
ndem'r	b	75	46	0
nned'h	b	92	63	0
n'mble	c	89	70	0
empsey	.	—	—	—
alcha..	c	74	38	0
mw'rth	c	85	52	0
onab'n.	b	88	54	0
M'cqric	b	79	60	0
'leannia	b	—	—	0
urr'ndi .	b	78	58	0
ree..	b	82	57	0
ssilis	b	80	66	0
uss'br'k	g	86	63	0
ubbo .	c	93	67	0
enindie.	b	76	57	0
ngleton	b	82	64	0
ls'n's R	c	75	61	0·02
0 65				
Mudg	b	91	59	0
aitland.	u	77	59	0
ill End.	b	—	—	0
'wcastle	c	78	64	0
range ..	b	76	54	0
thurst	b	82	56	0
orbes ..	b	78	56	0·22
Vict'ria	g	72	54	0·09
rcoar .	b	75	66	0
ond'b'lin	b	65	57	0·34
arsdens	b	85	63	0
cton ..	.	81	50	0·06
rdney ..	d	75	64	0·17
entw'th	c	74	50	0
oung .	b	88	53	0
oll'g'ng	g	82	58	0·15
ralga..	u	83	51	0
ay ..	b	77	38	0



M'ss V'l	d	80	56	0·10
Euston	b	77	46	0
G'lburn	g	86	45	0
Wagga.	b	88	48	0
C Geo'	p	74	56	1·10

H. C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

APRIL 5 1884

From TELEGRAMS for 9 A.M. & 3 P.M.

Sydney Observatory.

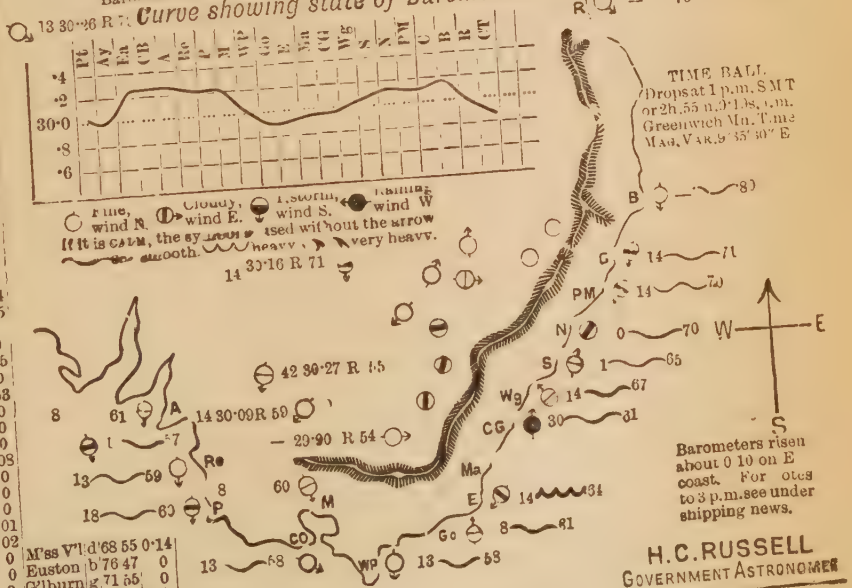
Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m* 50·81*s. E.*

Average Annual Rainfall for 25 years ... 50·491.
Average for 26 years from Jan. 1st to March 31. 14·281
Total Rainfall from Jan. 1st to April 5 ... 3·978.
Barometers corrected to 32° Fah. and Mean Sea Level.

Stations.	WT	M.	V	R'in
Queanbe'an	g	69	63	0
Deniliquin.	b	78	45	0
Moruya	.	—	—	—
Kiandra .	c	70	45	0
Albury ..	b	[illegible]	47	0
Bodalla .	g	70	55	0
Cooma . ..	c	71	53	0
Eden .. .	c	70	60	0

...IONS.	wt	M'N	V	R'in
...o ..	b	89	61	0
...'rfield	b	78	44	0·01
...ence .	g	8[illegible]	60	0
...ee ..	b	100	67	0
...ton ..	c	96	63	0
... Inn's	b	75	52	0
...erell.	b	85	50	0
...rke	c	95	68	0
...rrabri .	b	92	64	0
...midale.	b	71	—	0
...ndem'r	c	83	52	0
...nned'h	c	93	65	0
...'mble	c	91	62	0
...mpsey	.	—	—	—
...alcha..	c	71	53	0
...mw'rth	c	89	61	0
...oonab'n.	c	93	69	0
... M'cqrie	c	71	64	0
...'lcannia	l	—	—	0·10
...urr'ndi .	c	78	58	0
...aree..	o	84	66	0
...assilis	c	80	65	0
...uss'br'k	b	84	67	0
...ubbo .	b	94	59	0
...enindie.	c	77	59	0
...ingleton	b	75	63	0·14
...els'n's B.	c	79	64	0·45
...13 66				
...Mudg	g	94	58	0
Maitland.	u	72	62	0·15
Hill End.	u	—	—	0
N'wcastle	g	76	63	0·63
Orange ..	c	75	56	0
Bathurst	u	84	59	0
Forbes ..	c	75	54	0
M. Vict'ria	g	66	54	0·08
Carcoar .	g	74	61	0
Cond'b'lin	b	64	56	0
Marsdens	.	—	—	0
Picton ..	o	70	60	0.01
Sydney ..	u	68	63	0 02
Wentw'th	g	75	54	0
Young .	.	—	—	0
Woll'g'ng	g	70	58	0
Taralga..	c	83	58	0
Hay --	b	76	40	—

M'ss V'l	d	68	55	0·14
Euston	b	76	47	0
G'lburn	g	71	55	0
Wagga.	o	85	50	0
C Geo'.	r	66	54	0·37



WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. APRIL 7 1884

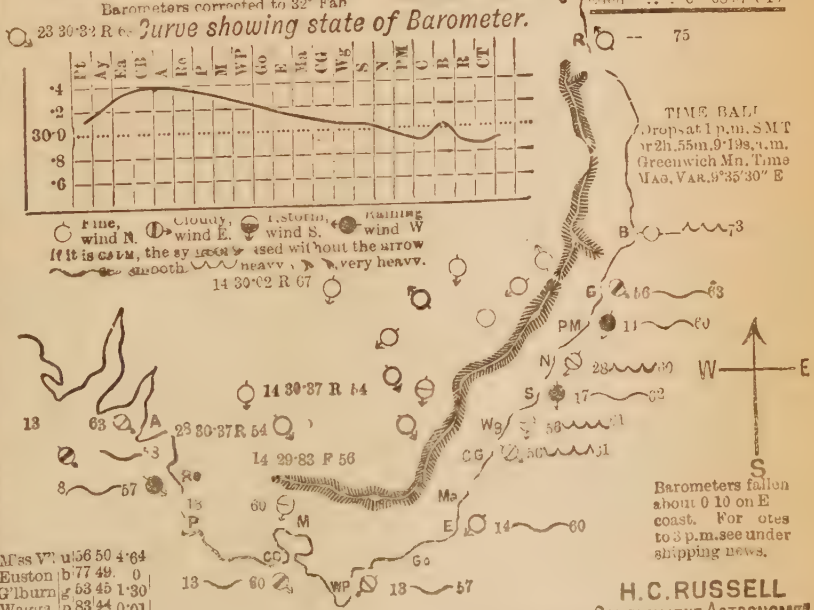
Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .... 50·491.
Average for 26 years from Jan. 1st to March 31. 14·281
Total Rainfall from Jan. 1st to April 7 . 10·080.
Barometers corrected to 32° Fah and Mean Sea Level.

Stations.	WT	M	[illegible]	[illegible]
Queanbe'an	b	73	[illegible]	1·75
Deniliquin.	o	70	45	[illegible]
Moruya ..	.	—	—	—
Kiandra..	c	69	38	0·2[illegible]
Albury ...	b	81	45	0
Bodalla..	o	73	52	3·04
Cooma	r	67	47	0·80
Eden ..	c	68	57	4·10

TIONS.	wt	M	V	V	R	in
ino .	b	82	54		0	
t'rfield	b	85	31		0	
rence .	b	81	62		0·92	
ree ..	o	87	7		0	
fton ..	b	88	63		0·05	
n Inn's	n	80	38		0·10	
erell.	o	84	39		0	
urke	b	81	60		0	
rrabri.	b	91	39		0	
nidale.	b	70	—		0·01	
ndem'r	u	85	41		0	
nned'h	c	84	57		0	
n'mble	b	87	57		0	
mpsey	.	—	—		—	
alcha..	g	73	33		0	
mw'rth	c	83	46		0	
ouab'n.	l	81	51		0	
M'cqrie	p	81	57		0·29	
'leannia	b	—	—		0	
rr'ndi.	r	78	57		0	
ree..	g	83	58		0·04	
ssilis	b	80	73		0	
ss'br'k	g	85	56		0·10	
ubbo .	b	84	65		0	
enindie.	b	71	56		0	
ngleton	g	78	57		0·08	
ls'n's B'	p	74	56		0·70	
23 65						
Mudg	b	87	47		0	
utland.	r	78	58		2·13	
ll End.	c	—	—		0·07	
'wcastle	q	80	58		0·45	
ange ..	c	66	46		0·11	
thurst	c	79	50		0·78	
rbes ..	.	—	—		—	
Vict'ria	g	66	47		0·83	
rcoar .	g	70	55		0·10	
nd'b'lin	b	62	52		0·03	
rsdens	n	81	56		0	
ton ..	b	63	55		2·82	
lney ..	p	66	57		6·99	
utw'th	o	74	49		0	
ing	b	63	49		0·59	
'l'g'ng	g	67	54		6·00	
alga..	g	84	42		1·33	
y ..	o	78	46		0	



M'ss V'l	u	56	50	4·64
Euston	b	77	49.	0
G'lburn	g	53	45	1·30
Wagga.	o	83	44	0·07
C Geo'	q	64	51	2·07

H. C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. APRIL 8 1884

Sydney Observatory.

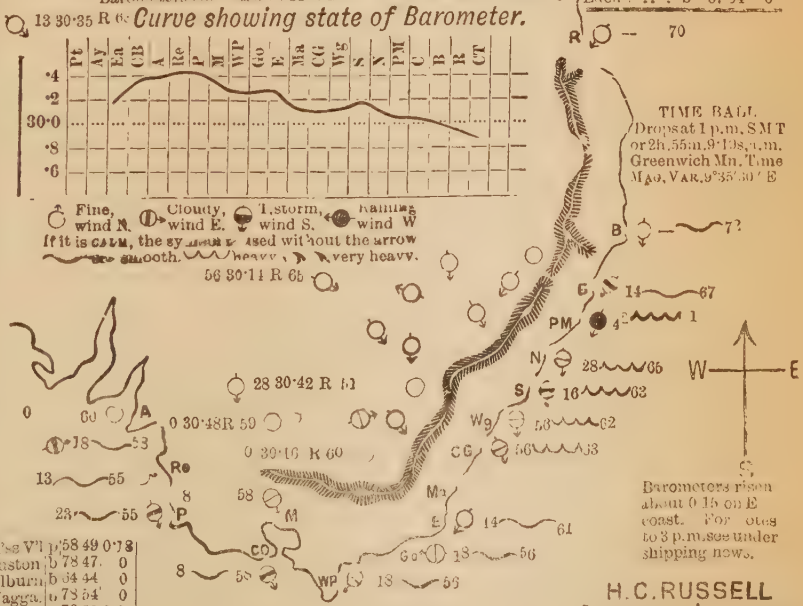
Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .... 50·491.
Average for 26 years from Jan. 1st to March 31. 14·261.
Total Rainfall from Jan. 1st to April 8 . 10·596
Barometers corrected to 32° Fah and Mean Sea Level.

STATIONS.	wt	M'N	Mr	R'in
Casino .	b	82	51	0
Tent'rfield	.	—	—	—
Clarence .	c	74	59	0
Moree ..	o	88	47	0
Grafton .	c	86	62	0
Gl'n Inn's	c	72	46	0·05
Inverell.	b	84	43	0
Bourke	b	82	59	0
Narrabri .	b	77	—	0
Armidale.	g	61	—	0
Bendem'r	d	82	51	0
Gunned'h	c	85	58	0·10
C'n'mble	b	78	53	0
Kempsey	.	—	—	—
Walcha..	d	60	47	0·07
Tamw'rth	c	69	53	0
Coonab'n.	l	80	48	0·01
P. M'cqrie	p	72	58	0·45
W'lcannia	b	—	—	0
Murr'ndi.	p	78	55	0·18
Taree..	g	71	58	0·24
Cassilis	b	68	54	0
Muss'br'k	g	69	58	0
Dubbo .	b	77	47	0
Menindie.	b	74	53	0
Singleton	g	70	58	0
Nels'n's B'	g	75	59	0·90
● Mudg	.	—	—	—
Maitland.	p	67	59	0·62
Hill End.	c	—	—	0
N'wcastle	q	68	58	1·30
Orange ..	b	62	43	0
Bathurst	c	66	46	0
Forbes ..	c	70	48	0
M. Vict'ria	g	57	45	0
Carcoar .	g	62	51	0
Cond'b'lin	b	90	60	0·93
Marsdens	o	75	53	0·03
Picton ..	b	62	55	0
Sydney ..	g	66	58	0·51
Wentw'th	o	75	46	0
Young .	b	78	47	0
Woll'g'ng	c	73	52	0·13
Taralga..	o	65	40	0
Hay ...	b	78	35	0

M'ss V'l	p	58 49	0·78
Euston	b	78 47	0
G'lburn	b	64 44	0
Wagga.	b	78 54	0
C Geo'	c	76 52	0·39

Stations.	WT.	M.	Mr	R'in
Queanbe'an	b	61	49	0
Deniliquin.	b	77	46	0
Moruga ..	.	—	—	—
Kiandra ..	b	50	35	0·9
Albury ...	b	78	46	0
Bodalla .	c	70	50	0·03
Cooma	g	61	40	0·01
Eden . ..	b	67	54	0



H. C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

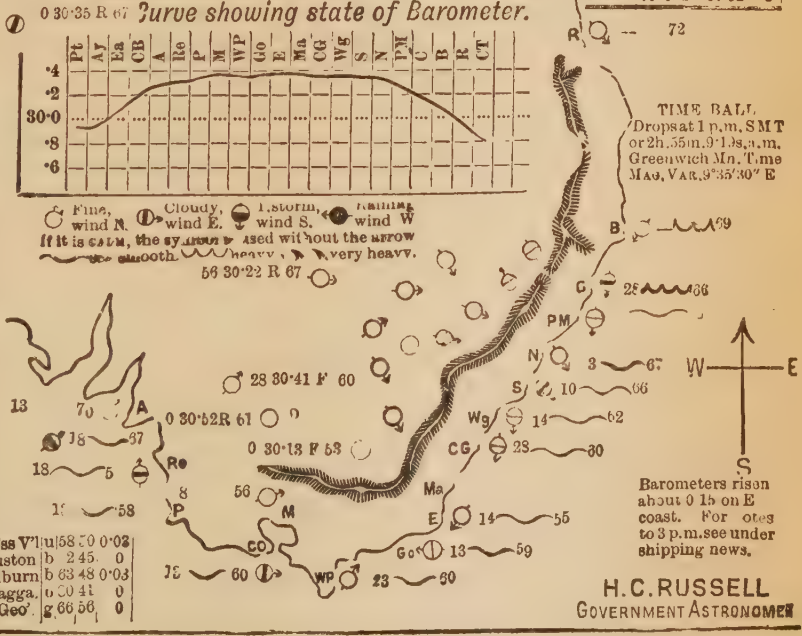
From Telegrams for 9 A.M. & 3 P.M. APRIL 9 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years ..... 50·491.
Average for 26 years from Jan. 1st to March 31. 14·281.
Total Rainfall from Jan. 1st to April 9 . 10·725
Barometers corrected to 32° Fah and Mean Sea Level.

Stations.	WT	M	MN	R'in
Queanbe'an	b	63	46	0
Deniliquin.	b	77	42	0
Moruva ..	.	—	—	—
Kiandra ..	c	52	32	0
Albury ...	b	79	47	0
Bodalla .	.	—	—	—
Cooma	b	55	42	0
Eden . ..	b	57	52	0



	WT	M	MN	R'in
M'ss V'l	u	58	50	0·03
Euston	b	2	45	0
G'lburn	b	63	48	0·03
Wagga.	b	60	41	0
C Geo'.	g	66	56	0

H. C. RUSSELL
Government Astronomer

...ons.	wt	M'x	M'n	R'in
...	c	74	61	0·18
...field	.	—	—	—
...ce	r	78	57	0
...	o	91	58	0
...on	a	80	53	0
...Inn's	b	70	48	0
...ell.	b	84	47	0
...ke	b	79	58	0
...abri	b	78	45	0
...dale	g	68	—	0
...lem'r	g	63	54	0
...ned'h	b	88	55	0
...nble	b	78	53	0
...psey	.	—	—	—
...oha	u	60	47	0·01
...w'rth	.	—	—	—
...nab'n.	l	75	41	0
...l'oqrie	b	69	61	0·14
...carmia	b	—	—	0
...ar'ndi	c	68	57	0
...ee.	b	72	60	0·22
...silis	c	61	53	0
...ss'br'k	u	77	57	0
...bbo	b	79	52	0
...nindie.	b	78	54	0
...gleton	b	76	59	0·02
...s'n's R.	b	76	62	0
... 0 76				
... Mudg	u	81	50	0
...utland.	b	71	56	0·04
...ll End.	g	—	—	0
...'wcastle	b	70	61	0·07
...range	u	63	41	0
...athurst	c	64	49	0
...orbes	b	74	50	0
...Vict'ria	g	56	50	0·19
...arcoar	b	64	53	0
...ond'b'lin	b	62	54	0
...arsdens	n	76	58	0
...icton	o	65	55	0
...ydney	c	68	70	0·10
...Ventw'th	b	86	48	0
...Young	b	82	47	0
...Woll'g'ng	b	68	55	0·12
...aralga	u	71	45	0
...Hay	b	84	43	0

WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. APRIL 10 1884

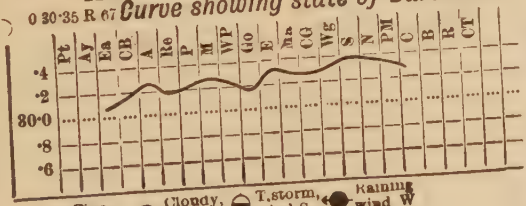
Sydney Observatory.

Lat. 33° 51′ 41″ S. ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years 50·491.
Average for 26 years from Jan. 1st to March 31. 14·281.
Total Rainfall from Jan. 1st to April 10 . 10·827
Barometers corrected to 32° Fah and Mean Sea Level.

Stations.	WT	M'x	M'n	R'in
Queanbe'an	b	64	50	0
Deniliquin.	b	80	42	0
Moruva	.	—	—	—
Kiandra	n	59	23	0
Albury	b	81	46	0
Bodalla	c	73	49	0·02
Cooma	b	68	35	0
Eden	b	68	62	0

0 30·35 R 67 *Curve showing state of Barometer.*



Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining wind W

If it is calm, the symbol is used without the arrow. ~~~ smooth. ~~~ heavy. ~~~ very heavy.

42 30·23 R 68

14 30·33 F 55

0 30·31 F 64

14 30·13 S 59

TIME BALL
Drops at 1 p.m. S M T or 2h.55m.9·19s.a.m. Greenwich Mn. Time
Mag. Var. 9°35′30″ E

Barometers risen about 0·10 on E coast. For notes to 3 p.m. see under shipping news.

M'ss V'l	u	61	56	0·08
Euston	b	86	46	0
G'lburn	c	63	48	0
Wagga.	b	78	49	0
C Geo'	c	69	53	0

H. C. RUSSELL.
Government Astronomer

WEATHER MAP.

APRIL 12 1884

From Telegrams for 9 A.M. & 3 P.M.

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years 50·491.
Average for 26 years from Jan. 1st to March 31. 14·281.
Total Rainfall from Jan. 1st to April 12 . 10·827
Barometers corrected to 32° Fah and Mean Sea Level.

Stations.	WT	M'x	Mn	R'in
Queanbe'an	b	66	49	0
Deniliquin.	b	83	48	0
Moruya ..	.	—	—	—
Kiandra..	c	68	24	0
Albury ...	b	82	48	0
Bodalla..	g	79	42	0
Cooma	u	53	—	0·02
Eden . ..	u	70	57	0

...TIONS.	WT	M'x	Mn	R'in
...ino ..	c	78	58	0·22
...t'rfield	.	—	—	—
...rence .	p	81	59	0·02
...ree ..	b	95	57	0
...afton ..	c	79	54	0·03
...n Inn's	.	—	—	—
...verell.	b	84	43	0
...urke	b	89	60	0
...arrabri .	b	83	54	0
...midale.	b	68	—	0
...ndem'r	g	75	42	0
...nned'h	.	—	—	—
...n'mble	b	83	54	0
...empsey	.	—	—	—
...alcha..	c	69	47	0
...umw'rth	b	84	53	0·01
...oonab'n.	b	83	43	0
... M'cqrie	.	—	—	—
...'lcannia	b	—	—	0
...urr'ndi .	b	73	54	0
...aree.	b	75	57	0·09
...assilis	b	73	57	0
...uss'br'k	b	81	53	0
...ubbo .	b	79	51	0
...lenindie.	b	83	58	0
...ingleton	b	76	57	0
...els'n's R'	c	75	62	0
... 3 76				
... Mudg	c	86	49	0
...ntland.	b	75	59	0
...Hill End.	b	—	—	0
...'wcastle	b	72	64	0
...Orange ..	b	67	50	0
...Bathurst	b	74	42	0
...Forbes ..	c	75	47	0
...M. Vict'ria	g	63	54	0
...Carcoar .	b	62	51	0
...Cond'b'lin	g	64	—	0
...Marsdens	b	82	56	0
...Picton ..	c	76	58	0·03
...Sydney ..	g	70	63	0
...Wentw'th	b	86	58	0
...Young .	g	89	55	0
...Woll'g'ng	o	78	59	0·19
...Taralga..	o	76	40	0
...Hay ..	b	88	44	0

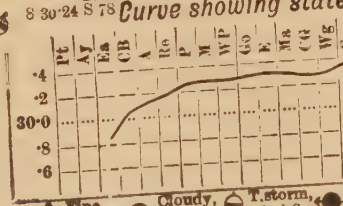
M'ss V'l	u	69	53	0·02
Euston	b	82	55	0
G'lburn	g	75	61	0
Wagga.	o	84	54	0
C Geo'	c	74	56	0

8 30·24 S 78

Curve showing state of Barometer.

Pt Ay Ea CB A Re P M WP Go E Ma CG Wg S N PM C B R CT

·4 ·2 30·0 ·8 ·6



Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W

If it is calm, the symbol is used without the arrow.

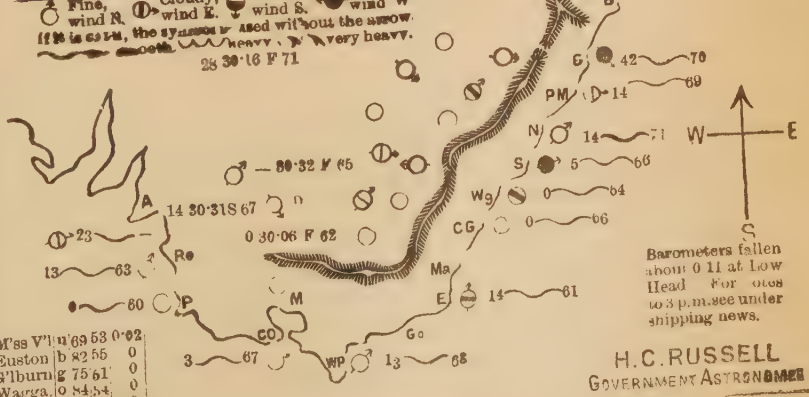
smooth heavy very heavy.

28 30·16 F 71

TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

R B G 42 70 PM 14 69 N 14 71 S 5 66 Wg 0 64 CG 0 66 Ma E 14 61 Go 13 68 WP 3 67 CO M P 0 60 Re 13 63 A 23 — 14 30·31 S 67 0 30·06 F 62 — 30·32 F 65

W E S



Barometers fallen about 0·11 at Low Head For otes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.

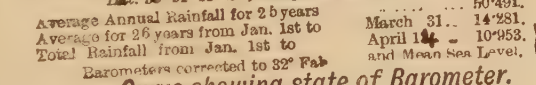
From TELEGRAMS for 9 A.M. & 3 P.M. APRIL 1884

Sydney Observatory.

Lat. 33° 51′ 41″ S. ; *Long* 10*h.* 4*m.* 50·31*s.* E.

Average Annual Rainfall for 25 years ..... 50·491.
Average for 26 years from Jan. 1st to March 31.. 14·281.
Total Rainfall from Jan. 1st to April 14 .. 10·953.
Barometers corrected to 32° Fah and Mean Sea Level.

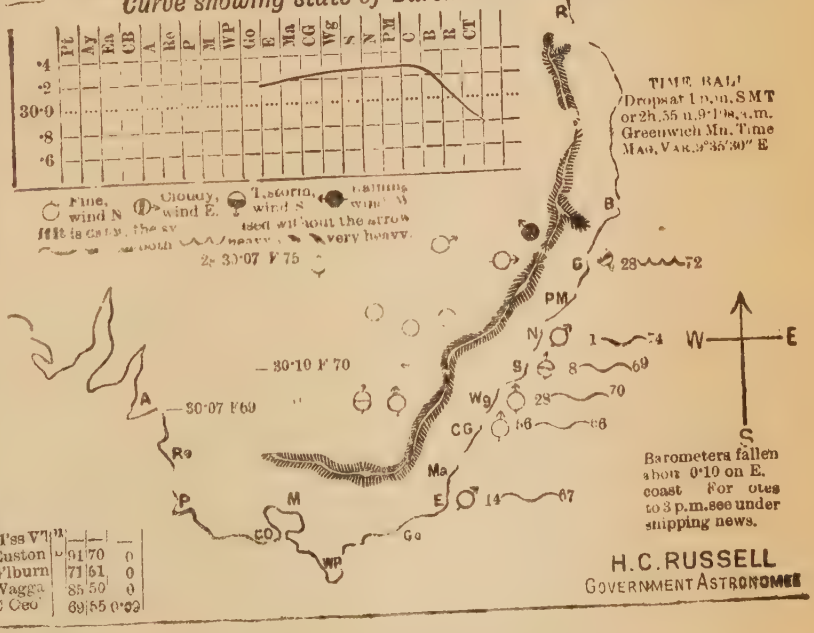
Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. Threat'ning, wind S. Raining, wind W.
Hail is easily the sy... ised without the arrow
...heavy. ... very heavy.

2= 30·07 F 75

TIME BALL
Drops at 1 p.m. S.M.T.
or 2h.55 m.9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E



Barometers fallen about 0·10 on E. coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

STATIONS.	wt	M'x	m'n	R'in
Casino .	c	73	61	0·42
Coff'sfield	d	70	46	0·15
Clarence .	c	79	63	0·30
Maree ..	b	87	61	0
Grafton ..	b	78	54	0·74
Glen Inn's	p	74	51	0
Inverell..	.	—	—	—
Bourke ..	b	86	71	0
Narrabri .	b	88	51	0
Armidale.	b	67	—	0·04
Beadem'r	.	—	—	—
Gunned'h	.	—	—	—
C'n'mble	.	—	—	—
Kempsey	.	—	—	—
Walcha..	u	65	50	0
Tacw'rth	.	—	—	—
Coonab'n.	b	84	49	0
P. M'egrie	.	—	—	—
W'lcannia	g	..	—	C
Murr'ndi .	b	72	53	0
Taree.	b	77	52	0·05
Cassilis	b	64	53	0
Muss'br'k	g	78	54	0
Dubbo .	.	—	—	.
Menindie.	g	78	62	0
Singleton	b	72	56	0
Nels'n's R	b	82	62	0
Mudg .	.	—	—	—
Maitland.	b	76	58	0
Hill End.	u	—	—	0
N'wcastle	b	75	65	0
Orange ..	b	69	52	0
Bathurst	b	72	47	0
Forbes ..	b	80	51	0
M. Vict'ria	g	62	53	0·13
Carcoar .	b	63	55	0
Cond'b'lin	c	71	57	0
Marsdens	.	—	—	—
Picton ..	c	71	59	0
Sydney ..	g	72	62	0
Wentw'th	g	93	68	0
Young .	.	—	—	—
Woll'g'ng	b	75	60	0·02
Taralga..	b	74	50	0
Hay	.	—	—	—

Stations.	wt	M'x	m'n	R'in
Queanbe'an	b	69	52	0
Deniliquin.	u	86	56	0
Moruya ..	.	—	—	—
Kiandra ...	n	65	41	0
Albury	.	—	—	—
Bodalla..	o	79	42	0
Cooma	b	74	51	0
Eden	b	72	66	0

M'ss V'l'y				
Euston	c	91	70	0
G'lburn		71	51	0
Wagga		85	50	0
C Ceo		69	55	0·32

WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. APRIL 15 1884

Sydney Observatory.

Lat. 33° 51′ 41″ S. ; *Long* 10h. 4m. 50·81s. E.

Average Annual Rainfall for 25 years ... 50·491.
Average for 26 years from Jan. 1st to March 31. 14·281.
Total Rainfall from Jan. 1st to April 15 . 10·953.
and Mean Sea Level.

Barometers corrected to 32° Fah

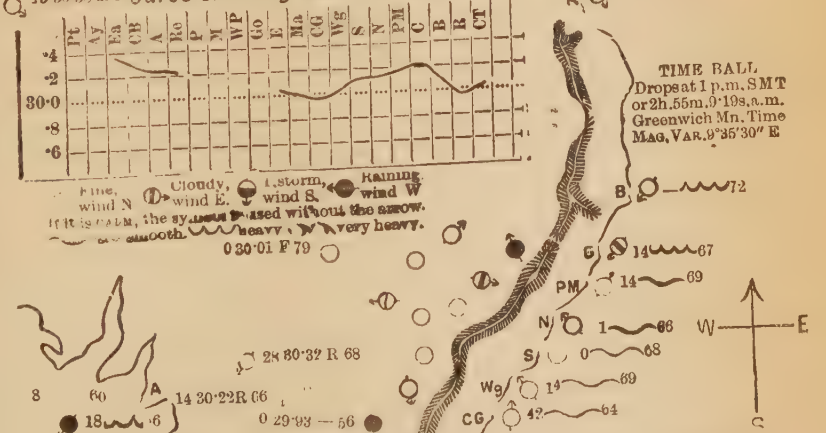
13 30·38 R 6

Curve showing state of Barometer.

Fine, wind N. Cloudy, wind E. Thunderstorm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
Smooth. Heavy. Very heavy.

0 30·01 F 79

TIME BALL
Drops at 1 p.m. SMT
or 2h.55m.0·19s.a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E



Barometers fallen about 0·15 on E. coast For obs to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

Stations.	WT	M.	X	m	R	in
Queanbe'an	c	73	59		0	
Deniliquin.	b	83	54		0	
Moruya ..	.	—	—		—	
Kiandra ..	c	61	42		0	
Albury ...	p	80	56		0·39	
Bodalla ..	b	80	55		0·07	
Cooma	c	79	52		0	
Eden . ..	c	71	63		0	

STIONS.	wt	M'x	Wa	in
no ..	p	77	63	0
'rfield	d	71	52	0·06
ence .	c	81	40	0·89
ee ..	b	90	61	0
fton ..	b	77	53	0 31
: Inn's	g	71	53	0·02
erell.	b	84	43	0
arke	b	83	70	0
rmbri.	b	86	42	0
nidale.	b	86	—	0
ndem'r	c	76	47	0
med'h	n	91	66	0
mble	.	—	—	—
mpsey	.	—	—	—
boha..	n	70	48	0
mw'rth	g	83	55	0
omab'n.	b	87	52	0
M'eqrie	b	78	61	0
lcarnia	b	.	—	0
rw'ndi.	b	76	53	0
ree	.	—	—	—
ssilis	b	71	55	0
ss br'l	n	83	54	0
ubbo .	b	90	58	0
enindie.	c	80	52	0
ngleton	b	76	56	0
bs'n'a R	o	84	64	0
0 63				
Mudg	b	92	52	0
rtland.	b	78	56	0
ill End.	b	—	—	0
'wcastle	c	74	61	0
range ..	b	71	52	0
athurst	b	82	52	0
orbes ..	c	84	61	0
. Vict'ria	c	67	60	0
arcoar .	t	70	60	0
ond'b'lin	g	71	62	0
arsdens	.	—	—	—
icton ..	c	75	56	0
ydney ..	b	73	62	0
Ventw'th	o	79	51	0
oung .	.	—	—	—
Coll'g'ng	b	77	54	0
arulga..	b	79	55	0
lay	u	91	48	0

M'ss V'll.				
Euston	c	82	41	0
G'lburn	b	78	52	0
Wagga.	c	87	58	0·01
C Geo'	c	73	66	0

WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. APRIL 16 1884

Sydney Observatory.

Lat. 33° 51′ 41″ S : *Long* 10*h.* 4*m.* 50·31*s. E.*

Average Annual Rainfall for 26 years . . .

Average for 26 years from Jan. 1st to March 31 . 14·281.

Total Rainfall from Jan. 1st to April 16 . 11·595.

Barometers corrected to 32° Fah.

S 30·43 R 62

Curve showing state of Barometer.

Stations.	WT	M	V	
Queanbeyan	c	76	55	0·58
Deniliquin	b	75	39	0
Moruya				
Kiandra	f	52	22	0·43
Albury	b	70	41	0
Bodalla	g	77	53	0·47
Cooma	c	78	43	0·17
Eden	c	70	56	0·20

TIONS.	WT	W	V	R in
ino	b	80	56	0
t'rfield	b	74	50	0
rence	b	82	69	0
ree	b	82	63	0
lton	b	86	56	0
a Ian's	b	77	49	0
vell	b	84	47	0
ake	b	85	61	0
rrabri	b	86	41	0
midale	b	68	—	0
ndem'r	b	79	45	0
nned'h	b	91	48	0
hable		80	62	0
mps		—	—	—
bella	b	71	41	0
nawar	b	87	56	0

WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. APRIL 17 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 25 years 50·491.
Average for 26 years from Jan. 1st to March 31. 14·281.
Total Rainfall from Jan. 1st to April 17 . 11·605.
Barometers corrected to 32° Fah

Stations.			
Queanbe'a	f	69 44	0
Deniliquin	b	71 39	0
Moruy			
Kiandra	n	58 24	0
Albury	b	72 40	0
Bodalla	b	72 44	0
Cooma	n	71 31	0
Eden			

ATIONS.	W.	M'x	V.	R'in
sino		—	—	—
nt'rfield	b	80	53	0
rence	c	82	66	0
oree	b	91	[illegible]	0
afton	b	86	56	0
n Inn'k	c	79	52	0·04
wegell	b	84	45	0
ourke	b	86	[illegible]	0
arrabri	b	89	43	0
rmidal	b	70	—	0
endem'r	b	70	49	0
unned'h	b	93	68	0
'n'mble	b	85	58	0
empsey		—		—
'alcha	o	70	44	0
amw'rth	b	88	54	0
oonab'n	b	89	[illegible]	0
. M'cqrie	m	78	61	[illegible]
W'lcannia		—	—	—
Murr'ndi	f	77	[illegible]	0
Taree	o	79	61	0
Cassilis	c	51	43	0·51
Muss'br'k	g	82	62	0
Dubbo	b	86	[illegible]	0
Menindie	b	90	72	0
Singleton	g	78	64	0
Nels'n's R	c	81	[illegible]	0
0 63 Mudg	b	87	52	0
Maitland	b	77	1	0
Hill End	b	—	—	0·05
N'wcastle	g	73	64	0
Orange	b	68	41	0
Bathurst	f	79	44	0
Forbes		76	8	0
M. Vict'ria	b	61	53	0·25
Carcoar	n	68	39	0
Cond'b'lin		—	—	—
Marsdens	b	75	1	0
Picton	b	63	52	0·17
Sydney	b	66	31	0·01
Wentw'th	b	73	43	0
Young	b	89	39	0
Woll'g'ng	b	64	48	0
Taralga	b	79	38	0
Hay	b	75	32	0

M'ss V'l	b	60 47	0·02
Euston	b	75 37	0
G'lburn	b	66 36	0
Wagga	b	74 36	0
C Geo'	b	64 46	0

23 30·40 R 66

Curve showing state of Barometer.

Pt Ay Ea CB A Re P M WP Go E Ma CG Wg S N PM C B R CT

·4 ·2 30·0 ·8 ·6

Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining wind W

If it is CALM, the symbol is used without the arrow

smooth heavy very heavy.

28 30·16 R 66

14 30·41 R 71

14 30·30 F 51

0 30·05 R 46

TIME BALL
Drops at 1 p.m. S M T or 2h.55m.9·1s. a.m. Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers risen about 0 15 on S. coast For [illegible] to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

...rfield	u	86	58	0
...rfield	b	82	46	0
...rence ..	b	82	65	0
...ree ..	b	89	60	0
...afton ..	b	88	56	0
...n Inn's	b	75	55	0
...vergll.	b	84	48	0
...urke	c	84	52	0
...urrabri.	b	89	44	0
...midale.	b	79	—	0
...ndem'r	w	75	47	0
...mned'h	c	91	68	0
...n'mble	b	82	52	0
...impsey	.	—	.	—
...alcha..	c	73	50	0
...mw'rth	b	65	58	0
...ponab'n.	m	87	65	0
M'cqrie	c	77	64	.
...lcannia	b	—	—	0
...urr'ndi.	b	77	57	0
...aree..	g	79	61	0
...ssilis	g	62	52	0
...uss'br'k	g	84	58	0
...abbo ..	g	83	49	0
...enindie.	b	72	53	0
...ingleton	b	73	67	0
...els'n's R.	p	84	60	0·02
... 8 6b				
... Mudg	c	88	50	0
...daitland.	u	77	58	0
...Hill End.	b	—	—	0
N'wcastle	c	72	63	0·27
Orange ..	b	63	43	0
Bathurst	b	75	48	0
Forbes ..	t	77	44	0
M. Vict'ria	g	64	49	0
Carcoar .	.	—	—	—
Cond'b'lin	b	57	49	0
Marsdens	b	73	51	0
Picton ..	g	70	49	0
Sydney ..	g	70	56	0
Wentw'th	c	78	51	0
Young .	n	87	45	0
Woll'g'ng	d	76	54	0·57
Taralga..	r	81	45	0
Hay — —	b	74	36	0

WEATHER MAP.

APRIL 15 1884

From TELEGRAMS for 9 A.M. & 3 P.M.

Sydney Observatory

Lat. 33° 51′ 41″ S ; *Long* 10h. 4m 50·81s E

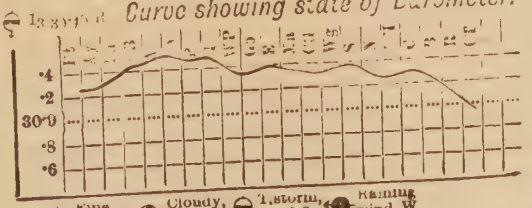
Average Annual Rainfall for 26 years ... Mean for 31 ...

Average for 6 years from Jan 1st to April 8 ... 11·61 in.

Total Rainfall from Jan. 1st to ... 1.

Stations.		W.T.M.		Rainfall
Gneerpe'am	u	62	45	0
Dandiguin	b	74	51	0
Mount ...	.	—	—	—
Kiandra ...	n	59	32	0
Albury ...	c	72	46	0
Bodalla..	g	74	50	0
Cooma	c	71	45	0
Eden	b	70	55	0

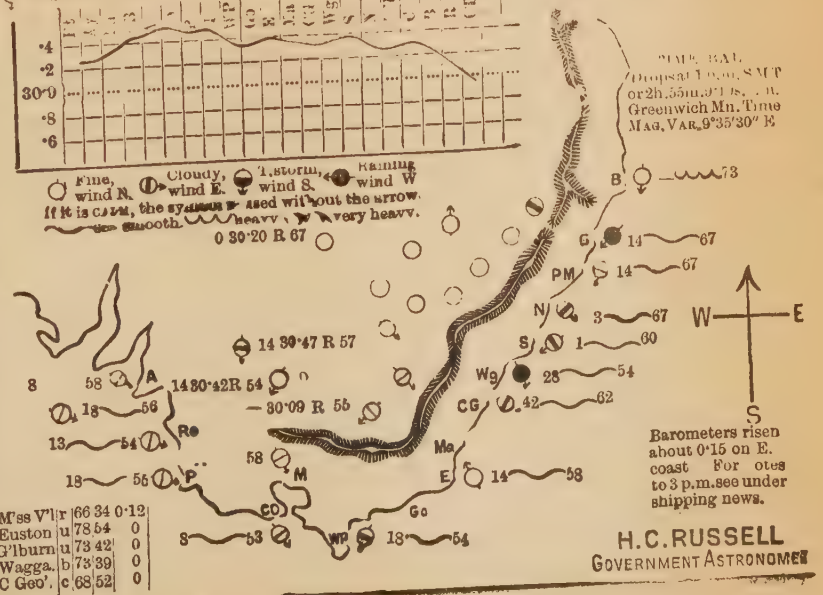
Curve showing state of Barometer.



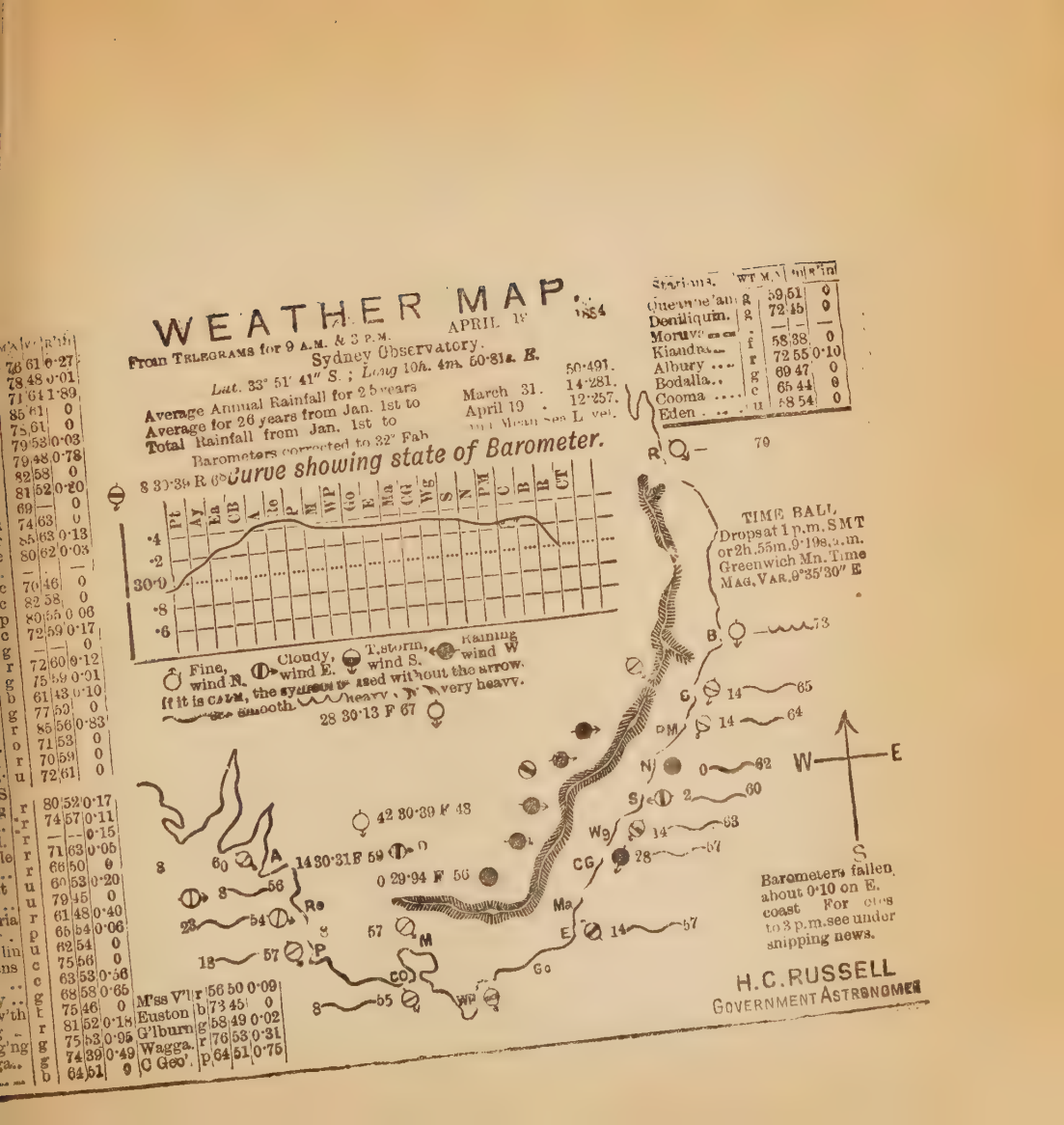
Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining wind W

If it is calm, the symbol is used without the arrow.

Smooth. heavy. very heavy.


0 30·20 R 67
14 30·47 R 57
14 30·42R 54
30·09 R 55
TIME BALL
Dropped 14m.5 S.M.T
or 2h.55m.51s. G. M.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E
Barometers risen about 0·15 on E. coast For otes to 3 p.m. see under shipping news.

H.C. RUSSELL
GOVERNMENT ASTRONOMER


WEATHER MAP.
APRIL 19 1884
From TELEGRAMS for 9 A.M. & 3 P.M.
Sydney Observatory.
Lat. 33° 51′ 41″ S. ; Long 10h. 4m. 50·81s. E.
Average Annual Rainfall for 25 years
Average for 26 years from Jan. 1st to
Total Rainfall from Jan. 1st to
Barometers corrected to 32° Fah
March 31. 50·491.
April 19 . 14·281.
12·257.
Mean Sea Level.
Curve showing state of Barometer.
8 30·39 R 6
Pt Ay Ea CB A Re P M WP Go E Ma CG Wg S N PM C B R CT
·4
·2
30·0
·8
·6
Fine, wind N.
Cloudy, wind E.
T.storm, wind S.
Raining wind W
If it is CALM, the symbol is used without the arrow.
smooth
heavy
very heavy.
28 30·13 F 67
42 30·39 F 48
14 30·31 F 59
0 29·94 F 56
TIME BALL
Drops at 1 p.m. S.M.T
or 2h.55m.9·19s.a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E
Barometers fallen about 0·10 on E. coast For cities to 3 p.m. see under shipping news.
H.C. RUSSELL
GOVERNMENT ASTRONOMER
W
E
S
Stations.
Queanbe'an
Deniliquin.
Moruya
Kiandra
Albury
Bodalla
Cooma
Eden
M'ss V'l
Euston
G'lburn
Wagga.
C Geo'.

WEATHER MAP.

APRIL 21 1884

From TELEGRAMS for 9 A.M. & 3 P.M.

Sydney Observatory.

Lat 33° 51′ 41″ S. ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years ..... 50·491.
Average for 26 years from Jan. 1st to March 31. 14·781.
Total Rainfall from Jan. 1st to April 21 . 12·707.
Barometers corrected to 32° Fah. from 1st Jan. to ...

Stations.	WT	M	X	un	R'in
Queanbe'an	b	61	44	0·23	
Deniliquin.	b	77	40	0	
Moruya ..	b	68	51	0·07	
Kiandra..	c	46	32	0·59	
Albury	u	63	41	0·50	
Bodalla..	b	70	44	1·88	
Cooma	c	59	4	0·99	
Eden . ..					

Curve showing state of Barometer.

0 30·31 F 7.

Ja Fe Ma Ap My Je Jy Au Se Oc No De Ja Fe Ma Ap My Je Jy Au Se Oc No De

30·4 ·2 30·0 ·8 ·6

Fine, wind N. Cloudy, wind E. Thunder, wind S. Raining, wind W.
If it is calm, the symbol is placed without the arrow
Sea smooth. heavy . very heavy.

0 30·04—68

TIME BALL.
Drops at 1 p.m. S.M.T.
or 2h. 55m. 9·1s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

R 70
B 73
C 14 65
PM 14 65
N 1 64
S
W E
Wg 14 65
42 59
CG 60
Ma 60
E
Go
WP 34 62
M 55
P 13 58
8 57
A 0 30·13 —55
Re
23 55
13 60
8 62
14 30·17 F 53
0 29·92 F 61

Barometers fallen about 0·30 on E. coast. For gales to 5 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

Stations.		WT	M	X	un	R'in
Wilcannia		b	68	42	0·48	
Tanw'rth		b	71	49	0·25	
Coonab'n.		b	75	36	0·72	
P. M'cqurie		c	74	38	1·11	
W'lcannia		b	—	—	0	
Murr'ndi..		b	69	52	1·70	
Tarce		b	72	53	0·99	
Cassilis		b	61	42	0·02	
Muss'br'k		c	75	53	1·09	
Dubbo .		b	76	44	0·84	
Menindie.		c	74	56	0	
Singleton		u	69	59	0·88	
Nels'n's B.		b	80	60	0·07	
Mudg		f	74	42	1·72	
Maitland.		b	70	56	0·81	
Hill End.		b	—	—	0	
N'wcastle		u	70	58	0·17	
Orange ..		f	63	42	0·13	
Bathurst .		b	67	46	0	
Forbes ..		b	87	48	0·07	
M. Vict'ria		b	61	49	0·65	
Carcoar .			—	—		
Cond'b'lin		b	57	50	0·06	
Marsdens		b	71	58	0	
Picton ..		b	69	49	0·03	
Sydney ..		b	67	58	0·51	
Wentw'th		c	78	47	0	
Young .		b	73	45	0·02	
Woli'g'ng		c	68	50	0·05	
Taralga..		b	71	41	0·53	
Hay		b	79	45	0	
M'ss V'l		b	61	46	0·02	
Euston		c	81	41	0	
G'lburn		b	64	40	0·13	
Wagga.		c	69	43	0·32	
C Geo'.		b	66	50	0	

WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. APRIL 22 1884

Sydney Observatory.

Lat. 33° 51′ 41″ S.; Long 10h. 4m. 50·81s. E.

Average Annual Rainfall for 25 years 50·491.
Average for 26 years from Jan. 1st to March 31. 14·281.
Total Rainfall from Jan. 1st to April 22 . 12·789.
Barometers corrected to 32° Fah and Mean Sea Level.

Stations.	WT	M.X	Vn	R'in
Queanbe'an	b	64	44	0
Deniliquin.	b	77	43	0
Moruya ..	.	—	—	—
Kiandra ..	c	60	41	0
Albury ...	b	73	47	0
Bodalla ..	b	77	45	0
Cooma	b	73	40	0
Eden . ..	c	68	57	0·25

STATIONS.	wt	M'x	Vn	R'in
asino .	b	84	58	0
ent'rfield	b	72	38	0
larence .	b	85	61	0
loree ..	b	79	51	0
rafton ..	b	85	63	0
l n Inn's	b	70	40	0
nverell.	b	84	38	0
Bourke	b	84	56	0
Narrabri.	b	72	50	0
Armidale.	b	61	—	0
Bendem'r	b	63	42	0
Gunned'h	.	—	—	—
C'n'mble	b	76	50	0
Kempsey	.	—	.	0
Walcha..	b	63	32	—
Tamw'rth	b	72	45	0
Coonab'n.	b	73	38	0
P. M'cqrie	b	74	55	0
W'lcannia	b	—	—	0
Murr'ndi.	b	67	51	0
Taree..	b	78	55	0
Cassilis	b	71	52	0
Muss'br'k	b	76	50	0
Dubbo ..	b	74	46	0
Menindie.	b	73	53	0
Singleton	n	75	56	0
Nels'n's B.	b	82	52	0
3 65 Mudg	f	73	40	0
Maitland.	n	73	51	0·10
Hill End.	b	—	—	0
N'wcastle	b	77	57	0
Orange ..	b	61	41	0
Bathurst	b	65	43	0
Forbes ..	b	79	46	0
M. Vict'ria	b	60	48	0
Carcoar .	b	60	46	0
Cond'b'lin	b	58	49	..
Marsdens	t	75	54	0
Picton ..	b	71	46	0
Sydney ..	b	72	58	0·02
Wentw'th	b	81	47	0
Young .	n	74	43	0
Woll'g'ng	.	—	—	—
Taralga..	b	63	45	0
Hay ..	b	79	50	0

M'ss V'l.	b	64	48	0
Euston	b	80	44	0
G'lburn	b	67	44	0
Wagga.	b	72	41	0
C Geo'	b	73	48	0

Curve showing state of Barometer.

Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining wind W.
If it is calm, the sy... used without the arrow ... smooth. ... heavy ... very heavy.

0 30·03 F 69

TIME BALL
Drops at 1 p.m. S M T or 2h.55m. 9·19s. a.m. Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers fallen about 0 10 on E. coast For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. APRIL 23 1884.

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

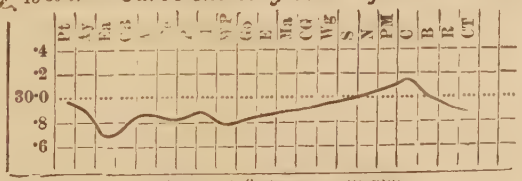
Average Annual Rainfall for 25 years 50·491.
Average for 26 years from Jan. 1st to March 31. 14·281.
Total Rainfall from Jan. 1st to April 23 . 12·791.
Barometers corrected to 32° Fah [illegible] Sea Level.

Stations.	WT	M.X	MD	R in
Queanbe'an	n	66	48	0
Deniliquin.	b	79	41	0
Moruya .. .	.	—	—	—
Kiandra..	b	61	41	0
Albury ...	b	76	46	0
Bodalla..	b	80	41	0
Cooma	b	74	36	0
Eden	b	71	52	0

TIONS	wt	M'x	MD	R in
no	b	82	1	0
t'rfield	b	70	38	0
ence .	c	84	58	0
ee	b	84	51	0
fton	b	85	63	0
n Inn's	b	71	38	0
erell.	b	72	36	0
rke	b	84	60	0
rrabri.	b	74	49	0
nidale.	b	62	—	0
ndem'r	n	63	34	0
nned'h	b	83	51	0
'mble	c	77	52	0
mpsey	.	—	.	0
lcha..	b	64	30	—
nw'rth	b	74	44	0
nab'n.	b	75	40	0
'cqrie	c	79	53	0
cannia	b	—	—	0
rr'ndi.	b	69	49	0
ee..	c	79	52	0
silis	b	71	62	0
ss'br'k	b	76	50	0
bbo .	b	79	49	0
nindie.	b	79	53	0
gleton	o	74	51	0
n's B·	c	73	53	0
34 70				
Mudg	c	82	42	0
tland.	b	71	50	0
End.	b	—	—	0
vcastle	c	78	53	0
nge ..	b	61	41	0
urst	b	71	41	0
bes ..	b	77	44	0
ict'ria	b	62	52	0
coar .	b	60	46	0
d'b'lin	b	63	51	0
sdens	b	77	58	0
on ..	c	71	45	0
ney ..	c	73	56	0
ntw'th	t	79	49	0
ng .	b	86	44	0
'g'ng	b	77	41	0
lga..	b	76	42	0
...	b	82	46	0

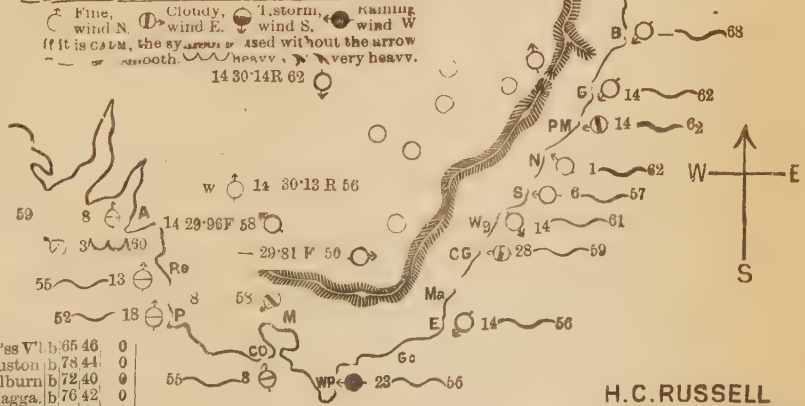
M'ss V'l	b	65	46	0
Euston	b	78	44	0
G'lburn	b	72	40	0
Wagga.	b	76	42	0
C Geo'.	c	74	50	0

13 30·07 F 70 *Curve showing state of Barometer.*



Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining wind W

If it is CALM, the sy[illegible] used without the arrow [illegible] smooth. [illegible] heavy, [illegible] very heavy.



H.C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. APRIL 24 1884.

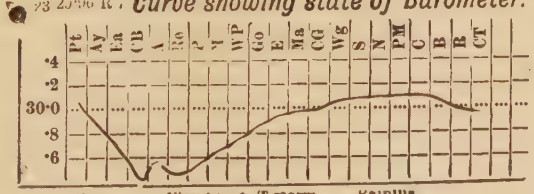
Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years		50·491.
Average for 26 years from Jan. 1st to	March 31.	14·281.
Total Rainfall from Jan. 1st to	April 24	12·793.

Barometers corrected to 32° Fah

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining wind W

If it is calm, the symbol is used without the arrow

smooth heavy very heavy.

70 29·88 *F* 14

TIME BALL
Drops at 1 p.m. SMT
or 2h.55m.0·19s.a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

CLOUDY ON S COAST

STATIONS.	wt	M'x	Mn	R	in
Ashfield	b	82	51		0
Penrith	o	78	42		0
Clarence	b	83	57		0
Moree	b	86	50		0
Grafton	b	85	63		0
Glen Inn's	b	80	45		0
Inverell	b	72	40		0
Bourke	g	86	62		0
Narrabri	b	80	50		0
Armidale	o	64	—		0
Bendem'r	n	71	43		0
Gunned'h	c	80	53		0
C'n'mble	c	57	50		0
Kempsey	.	—			0
Walcha	b	67	32		–
Tamw'rth	b	76	45		0
Coonab'n	b	82	39		0
P. M'cqrie	b	72	53		0
W'lcannia	u	—	—		0
Murr'ndi	b	71	49		0
Taree	b	82	62		0
Cassilis	b	61	53		0
Muss'br'k	b	80	47		0
Dubbo	b	83	49		0
Menindie	r	80	64		0
Singleton	o	76	58		0
Nels'n's R	b	81	54		0
84 56					
Mudg	o	83	41		0
Maitland	b	74	38		0
Hill End	b	—	—		0
N'wcastle	b	82	54		0
Orange	b	66	43		0
Bathurst	b	73	39		0
Forbes	b	78	43		0
M. Vict'ria	b	60	50		0
Carcoar	b	63	46		0
Cond'b'in	u	68	58		0
Marsdens	b	78	58		0
Picton	b	72	43		0
Sydney	t	75	56		0
Wentw'th	g	82	55		0
Young	b	88	48		0
Woll'g'ng	b	81	49		0
Taralga	b	74	41		0
Hay	c	80	52		0

STATIONS.	wt	M'x	Mn	R	in
Queanbe'an	b	67	47		0
Deniliquin	c	75	50		0
Moruya	.	—	—		—
Kiandra	b	64	35		0
Albury	b	74	49		0
Bodalla	b	83	42		0
Cooma	b	74	36		0
Eden	b	67	53		0

M'ss V'l	b	69	44	0
Euston	u	81	55	0
G'lburn	b	73	37	0
Wagga	b	77	48	0
C Geo'	b	76	51	0

H.C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. APRIL 25 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years
Average for 26 years from Jan. 1st to
Total Rainfall from Jan. 1st to

March 31.	50·491.
April 5	14·281.
	12·793.
	L

Barometers corrected to 32° Fah

Curve showing state of Barometer.

Fine, wind N. Cloudy, wind E. Rain, wind S. Rain, wind W.
It is calm, the sy... used without the arrow
... very heavy.
58 29·81 F

Stations.	Wt	M	Mn	R in
Queanbe'an	r	68	49	0·15
Deniliquin.	p	79	50	0·77
Moruya	.	—	—	—
Kiandra..	r	63	45	0·19
Albury ...	r	80	59	0·47
Bodalla..	c	81	53	0
Cooma	c	75	52	0
Eden	c	68	57	0

68

TIME BALL
Drops at 1 p.m. SMT
or 2h.55m.9·19s.a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

M'ss V'l	d	69	53	0
Euston	b	76	48	0·21
G'lburn	g	77	46	0
Wagga.	r	82	57	0·19
C Geo'	c	73	55	0

H. C. RUSSELL
GOVERNMENT ASTRONOMER

Wt	M'x	Mn	R in
b	83	53	0
o	77	51	0
c	83	63	0
u	87	50	0
b	83	61	0
b	80	49	0
o	72	43	0
u	85	65	0·13
p	73	49	0
o	85	—	0
g	74	46	
n	82	62	0
g	81	65	0·[illegible]
.	—		
b	69	55	0
b	81	46	0
p	81	51	0·22
b	76	60	0
u	—	—	0·57
u	73	53	0
b	83	53	0
c	71	62	0
u	83	[illegible]	0
u	86	62	·09
c	85	58	0·2[illegible]
u	77	57	0
b	73	61	0
60			
r	84	51	0·24
g	75	54	0
r	—	—	0·10
c	77	60	0
r	72	49	0·27
r	77	44	0·14
r	74	56	0·50
u	67	55	0
u	64	50	0
r	62	57	0·20
u	81	60	0·25
u	74	44	0·01
g	74	62	0
b	79	49	0·26
r	84	58	0·24
b	80	58	0
u	72	48	0
c	81	54	0·20

METEOROLOGY.

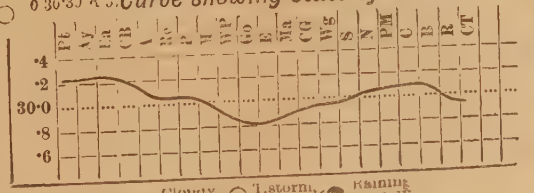
9 A.M. APRIL 26 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years 50·491.
Average for 26 years from Jan. 1st to March 31. 14·281.
Total Rainfall from Jan. 1st to April 26 13·505.
Barometers corrected to 32° Fah [illegible] Level.

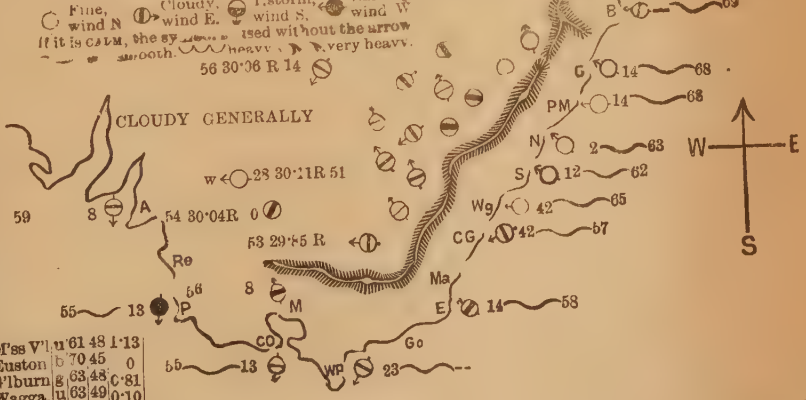
0 30·30 R [illegible] *Curve showing state of Barometer.*



Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining wind W.
If it is CALM, the sy[illegible] used without the arrow
[illegible] smooth. [illegible] heavy [illegible] very heavy.

Stations.	WT	M.X	MN	R/in
Queanbe'an	g	60	52	0·90
Deniliquin.	u	70	45	0·06
Moruya ..	.	—	—	—
Kiandra..	r	51	39	1·69
A'bury ...	u	62	52	0·60
Bodalla..	r	69	51	0·81
Cooma	c	64	46	0·24
Eden	u	68	55	0·42

72



M'ss V'l	u	61	48	1·13
Euston	b	70	45	0
G'lburn	g	63	48	0·81
Wagga.	u	63	49	0·10
C Geo'.	b	64	50	0·79

ns.	wt	M'x	Mn	R in
	b	1	61	0
eld	b	74	49	0·04
e .	b	83	63	0
.	g	71	52	0·63
.	b	81	61	0
n's	u	78	47	0·17
ll.	b	71	44	0·30
e	u	67	53	0·97
ori.	g	70	41	1·77
ale.	g	68	—	0·10
m'r	u	69	46	0·41
d'h	c	53	55	1·67
ole	c	67	55	1·22
sey	b	—		
a..	u	68	44	0·26
'rth	c	74	53	0·68
b'n.	f	63	46	1·73
qrie	b	75	60	0
nnia	g	—	—	0
ndi.	u	6[illegible]	54	1·14
.	b	84	[illegible]	0
is	c	61	25	1·55
br'k	b	71	58	0·98
o .	g	65	53	1·28
ndie.	b	82	58	0
eton	b	68	51	1·86
n's B	b	75	60	0·15
0 61				
ludg	u	64	41	1·40
and.	c	73	56	0·40
End.	c	—	-	1·90
castle	b	77	57	0·27
ge ..	u	6[illegible]	41	1·72
urst	g	61	45	1·41
es ..	g	63	48	0·86
ct'ria	u	59	43	0·65
oar .	g	60	52	1·83
l'b'lin	u	55	50	0·67
dens	u	66	57	0·72
on ..	b	61	52	0·82
ey ..	b	70	59	0·71
w'th	b	69	47	0
ng .	u	62	49	1·30
l'g'ng	b	79	55	0·37
lga..	g	64	44	1·15
....	g	78	56	0

METEOROLOGY.

9 A.M. APRIL 28 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* E.

Average Annual Rainfall for 25 years 50·491.
Average for 26 years from Jan. 1st to March 31. 14·281.
Total Rainfall from Jan. 1st to April 28 13·768.
Barometers corrected to 32° Fah and Mean Sea Level.

...ONS.	Wt	M'x	Mn	R in
...	b	78	46	0
...field	b	70	35	0
...ce .	u	82	64	0
...	b	78	52	0
...on ..	b	56	51	0
...nn's	b	67	41	0
...ell.	b	71	38	0
...ke	b	72	52	0
...bri .	t	69	46	0
...dale.	b	61	—	0
...em'r	g	61	45	0
...ed'h	.	—	—	..
...ble	b	68	50	0·64
...osey	.	—		—
...ha..	c	58	41	0
...v'rth	c	68	45	0
...ab'n.	b	67	38	0
...cqrie	q	72	53	0·72
...nnia	b	—	—	0
...'ndi .	u	62	51	0·18
...e..	c	71	56	0·21
...lis	b	71	61	0
...'br'k	c	76	51	0
...oo .	b	70	45	0·17
...ndie.	b	70	50	0
...leton	b	70	59	0
...n's R	p	73	61	0·30
... 8 62				
Mudg	b	72	42	0
...land.	p	70	53	0·06
...End.	b	—	—	0·37
...castle	p	69	57	0·16
...ge ..	b	56	39	0
...urst	b	62	39	0·07
...oes ..	b	70	45	0
...ict'ria	d	54	40	0·04
...oar .	b	58	50	0
...d'b'lin	b	54	49	0·14
...sdens	b	67	53	0·20
...on ..	u	63	42	0
...ney ..	g	64	55	0·26
...ntw'th	b	68	42	0
...ng .	c	83	44	0
...ll'g'ng	g	66	53	0·05
...alga..	g	76	39	0
...	b	73	44	0

Stations.	WT	M'x	Mn	R'in
Queanbe'an	b	60	42	0
Deniliquin.	b	69	38	0
Moruya ...	.	—	—	—
Kiandra ...	c	58	22	0·07
Albury ...	b	70	45	0
Bodalla..	b	70	45	0·15
Cooma	c	73	45	0
Eden	g	66	57	0

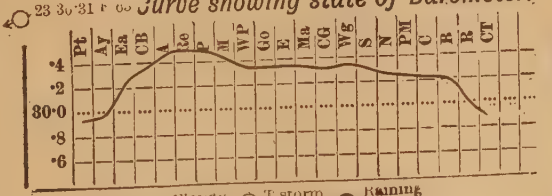
66

23 30·31 R 65

Curve showing state of Barometer.

Pt Ay Ea CB A Re P M WP Go E Ma CG Wg S N PM C B R CT

·4 ·2 30·0 ·8 ·6



Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining wind W

If it is CALM, the sy... used without the arrow ... smooth ... heavy ... very heavy.

60 30·27 R 28

TIME BALL
Drops at 1 p.m. SMT
or 2h.55m.9·19s.a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

CLOUDY GENERALLY

W 28 30·50 R 46

62 8 A 46 30·45 R 14

48 30·14 R 14

55 8 Re

57 8 P 54 8 M

57 8 CO WP 23 57

Go

Ma E 14 55

B 67

G 28 63

PM 56 63

N 1 60

S 8 59

Wg 42 60

CG 56 61

W E S

M'ss V'l	g	57	49	0·01
Euston	b	69	39	0·08
G'lburn	g	65	43	0
Wagga.	b	72	38	0·10
C Geo'.	g	64	51	0·03

METEOROLOGY.

APRIL 29 1884

9 A.M.

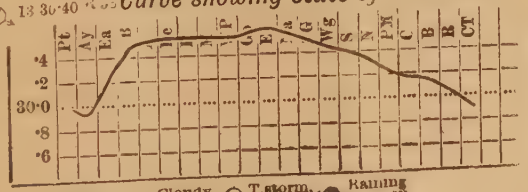
Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 25 years 50·491.
Average for 26 years from Jan. 1st to March 31. 14·281.
Total Rainfall from Jan. 1st to April 29 14·488.

Barometers corrected to 32° Fah

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining wind W

If it is calm, the symbol is used without the arrow

smooth heavy very heavy.

61 30·27 S 14

CLOUDY GENERALLY

W 28 30·40R 51

55 30·50R 14

56 30·10 F

Re

P

M

CO

WP

Go

Ma

E

CG

PM

N 5

S 21

We 58

48

28

18

40

56

Stations.	WT	M'x	Mn	R'n
Queanbeyan	c	61	31	0
Deniliquin	c	68	43	0
Maraya	—	—	—	—
Kiandra	b	51	30	0
Albury	b	72	36	0
Hadalla	b	71	37	0
Corowa	b	69	37	0
Eden	b	70	57	0

Stations.	WT	M'x	Mn	R in
.	b	76	49	0
ield .	—	—	—	—
ce .	c	74	63	0
..	b	81	53	0
n ..	b	79	51	0
m's	c	69	51	0
ll.	b	71	43	0
e	b	73	54	0
bri.	b	70	39	0
lale	u	68	—	0
m'r	u	64	53	0
ed'n	g	76	57	0
ble	.	—	—	—
sey	.	—	—	—
na..	g	68	48	0·90
r'rth	c	69	46	0
ab'n.	g	63	52	0
eqrie	.	—	—	—
nnia	b	—	—	0
'ndi.	p	62	51	0
e.	r	70	60	1·81
lis	c	74	62	0
'br'k	d	69	55	0·06
oo .	b	70	48	0
indie.	b	68	49	0
leton	u	67	58	0
n's R.	r	69	62	0·60
28 68				
Mudg.	r	74	47	0
land.	r	65	56	0·18
End.	—	—	—	0
rcastle	u	67	57	1·39
nge ..	c	58	46	0
nurst	g	60	45	0
oes ..	b	74	46	0
ict'ria	r	52	45	0·12
coar .	c	58	53	0
d'b'lin	b	54	50	0
sdens	b	60	53	0
on ..	g	63	55	0·01
ney ..	p	63	58	0·72
ntw'th	b	70	55	0
ng .	g	78	48	0
ll'g'ng	r	64	53	0·30
alga..	p	61	48	0·18
y ..	b	74	45	0

M'ss V'l	p	57	50	0·43
Euston	b	73	46	0
G'lburn	u	61	47	0·02
Wagga.	b	72	40	0
C Geo'	r	64	51	0·41

H. C. RUSSELL.
GOVERNMENT ASTRONOMER

METEOROLOGY.

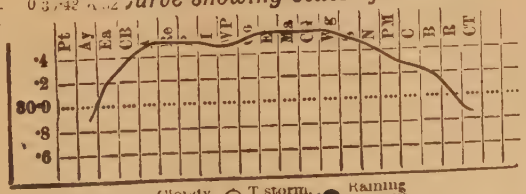
9 A.M. APRIL 1884.

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

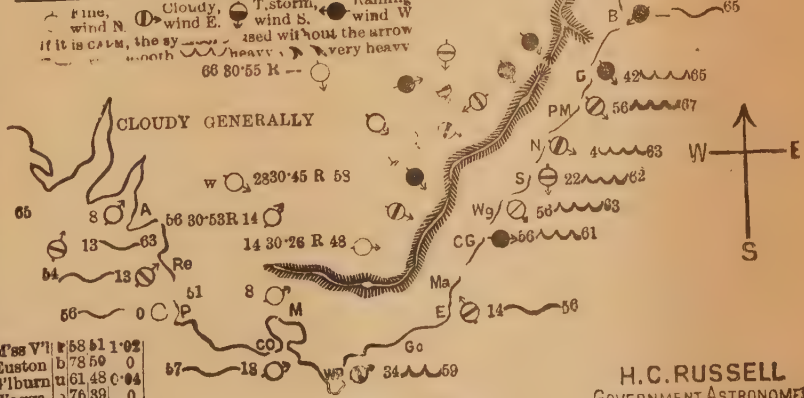
Average Annual Rainfall for 25 years 50·491.
Average for 26 years from Jan. 1st to March 31. 14·281.
Total Rainfall from Jan. 1st to April 30 15·08
Barometers corrected to 32° Fah ... L...

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining wind W

If it is CALM, the sy... used without the arrow ... smooth ... heavy ... very heavy



...ATIONS.	wt	M'x	Mn	R in
...sino	r	76	61	0·81
...t'rfield	d	75	46	0·25
...rence .	r	74	65	1·17
...ree .	g	81	61	0
...afton ..	p	78	51	2·40
...n Inn's	u	67	54	0
...verell.	b	72	47	0
...urke	b	75	61	0
...arrabri .	d	73	42	0·04
...midale.	u	69	—	0·19
...endem'r	u	65	56	0
...mned'h	u	70	60	0
...n'mble	c	73	61	0
...empsey	.	—		—
...alcha..	u	60	48	0·15
...amw'rth	c	70	57	0
...oonab'n.	g	71	55	0
... M'cqrie	q	72	63	1·22
...V'lcannia	b	—	—	0
...urr'ndi.	c	64	57	0·10
...aree..	t	69	62	1·81
...assilis	u	61	52	0
...uss'br'k	b	66	56	0·40
...ubbo ..	b	74	55	0
...enindie.	b	72	55	0
...ingleton	p	76	57	0·76
...els'n's B'	c	70	51	1·30
... 23 67				
... Mudg	b	74	50	0
...aitland.	p	66	57	3·03
...ill End.	u	—	—	0
...N'wcastle	q	67	57	2·75
...range..	u	61	50	0
...athurst	g	61	52	0·05
...orbes ..	b	75	42	0
...M. Vict'ria	r	53	42	1·04
...arcoar .	b	65	55	0
...ond'b'lin	b	60	52	0
...arsdens	b	71	55	0
...icton ..	p	63	51	1·37
...ydney ..	p	66	60	1·12
...entw'th	b	77	51	0
...oung .	c	72	46	0
...oll'g'ng	c	64	56	1·23
...aralga..	r	[illegible]	49	0·20
...ay ..	b	73	44	0

M'ss V'l	r	58	51	1·02
Euston	b	78	50	0
G'lburn	u	61	48	0·04
Wagga.	b	76	39	0
C Geo'.	p	64	52	0·09

...ean...	c	61	51	0
Deniliquin	b	7	13	0
Moruya	.	—	—	—
Kiandra	q	50	31	0
Albury ..	b	74	44	0
Bodalla	.	—	—	—
Cooma . .	c	61	45	0·10
Eden ..	u	64	54	0·15

H.C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. MAY 1 1884.

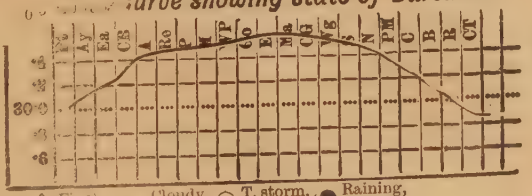
Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long.* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 25 years		50·491.
Average for 26 years from Jan. 1st to	April 30	21·130.
Total Rainfall from Jan. 1st to	May 1	16·045.

Barometers corrected to 32° Fah

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow.

smooth heavy. very heavy.

Stations.				
Queanbeyan	g	60	51	0
Deniliquin.	b	74	41	0
Moruya .	.	—	—	—
Kiandra..	c	48	33	0
Albury ...	b	73	41	0
Bodalla..	g	67	51	0·14
Cooma	c	65	43	0·05
Eden . ..	c	62	59	0·16

TIME BALL
Drops at 1 p.m. SMT
or 2h.55m.9·19s.a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

CLOUDY GENERALLY

H.C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

MAY 2 1884

9 A.M.

Sydney Observatory.

Lat. 33° 51′ 41″ S.; Long. 10h. 4m. 50·81s. E.

Average Annual Rainfall for 25 years ..... 50·491.
Average for 26 years from Jan. 1st to April 30 ... 21·130.
Total Rainfall from Jan. 1st to May 2 ... 16·174.
Barometers corrected to 32° Fah. and Mean Sea Level.

Stations.	WT	M.X	m	R'in
Queanbe'an	g	61	49	0
Deniliquin.	b	74	46	0
Moruya ...	.	—	—	—
Kiandra...	n	51	31	0
Albury ...	b	74	42	0
Bodalla .	p	69	51	0·09
Cooma ...	c	64	44	0·01
Eden ...	p	65	57	0

69

Curve showing state of Barometer.

30·36 ... 30·0 ... ·4 ... ·2 ... ·6

Ft Ay Fa Ch Fa Ch Fa Ch

METEOROLOGY.

9 A.M. MAY 3 1884

Sydney Observatory.

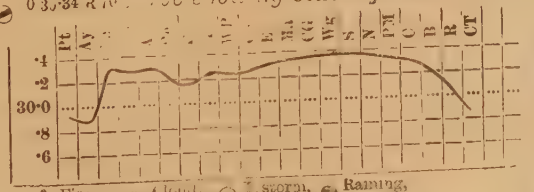
Lat. 33° 51′ 41″ S.; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years		50·491.
Average for 25 years from Jan. 1st to	April 30	21·130.
Total Rainfall from Jan. 1st to	May 2	16·228.
Barometers corrected to 32° Fah	and Mean	Sea Level.

Stations.	wt	M.x	mn	R in
Queanbe'an	c	60	43	0
Deniliquin.	b	74	41	0
Moruya ...	.	—	—	—
Kiandra..	b	57	25	0
Albury ...	c	70	41	0
Bodalla..	b	61	42	0·10
Cooma	n	68	29	0
Eden	b	65	54	0

AS

0 30·34 &c. ... daily state of Barometer.



Fine, wind N. Cloudy, wind E. L. storm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow.

smooth ... very heavy.

TIME BALL
Drops at 1 p.m. SMT
or 2h.55m.9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

CLOUDY GENERALLY

66 30·22 F 56 B

W 14 30·37 F 53

64 8 A 56 30·32 F 0 D

3 8 47 30·04 F 14 A

59 40 Re 61

62 28 P 8 M

63 18 CO WP Go

Ma E 14 56

CG 24 60

Wg 14 63

S 2 60

N 0 62

PM

G 28 66

B 65

68

R

W F S

M'ss V'l	b	57	48	0·02
Euston	b	80	52	0
G'lburn	g	61	43	0
Wagga.	b	74	44	0
C Geo'	b	66	50	0

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

MAY 5 [illegible]

9 A.M.

Sydney Observatory.

Lat. 33° 51 41″ *S.*; *Long.* 10*h.* 4*m.* 50·91*s.* E.

Average Annual Rainfall for 25 years 50·491.
Average for 26 years from Jan. 1st to April 30 21·130.
Total Rainfall from Jan. 1st to May 5 16·445.
Barometers corrected to 32° Fah and Mean Sea Level.

Stations.	WT	M.	[illegible]	R in
Queanbe'an	g	63	41	0
Deniliquin.	b	74	38	0
Moruya ..	.	—	—	—
Kiandra ..	f	58	30	0
Albury ...	b	7[illegible]	45	0
Bodalla ..	b	73	41	0
Cooma	c	[illegible]1	35	0
Eden	c	66	56	0

wt	M'x	Mn	R in
b	79	56	0
c	75	48	0
c	77	60	0
b	88	57	0
b	81	51	0
b	73	55	0
b	71	32	0
b	81	57	0
b	73	44	0
b	60	—	0·02
n	69	42	0
n	74	51	0
b	75	50	0
.	—	—	—
b	64	35	0
b	77	44	0
b	72	35	0
p	74	51	0·03
b	—	—	0
b	68	47	0
g	75	55	0·12
c	69	53	0
u	73	50	0·03
b	80	47	0
b	79	53	0
u	71	41	0
u	77	56	0·17
b	85	44	0
u	70	56	0·27
b	—	—	0
u	76	60	0
b	61	41	0
u	70	40	0
b	70	45	0
u	54	43	0·70
b	64	56	0
b	59	48	0
b	80	52	0
c	71	56	0
g	71	58	0·22
b	74	43	0
b	88	47	0
c	77	53	0·12
u	71	40	0
b	82	42	0

M'ss V'l	u	64	50	0
Euston	b	64	38	0
G'lburn	g	69	50	0
Wagga.	b	77	39	0
C Geo'	c	68	50	0

METEOROLOGY.

9 A.M. MAY 6 1894

Sydney Observatory

Lat. 33° 51′ 41″ *S.*; *Long* 1h. 4 50 31s. E.

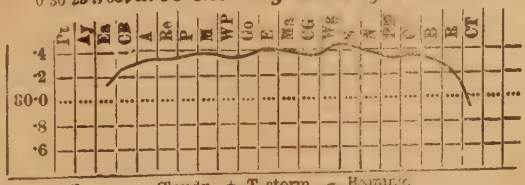
Average Annual Rainfall for 25 years 50·491

Average for 26 years from Jan. 1st to April 30 . 21·130.

Total Rainfall from Jan. 1st to May 6 16·450.

Barometers corrected to 32° Fah and Mean Sea Level.

0 30·29 S 68 *Curve showing state of Barometer*



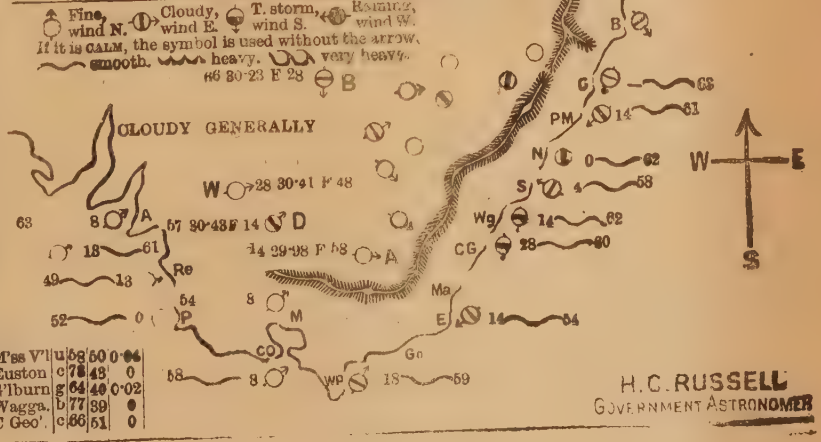
Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.

If it is CALM, the symbol is used without the arrow.

smooth. heavy. very heavy.

	wt	M'x	MN	R in
	b	73	53	0
	g	67	48	0
	c	76	61	0·02
	b	89	57	0
	g	78	53	0
	b	70	47	0
	b	71	39	0
	g	81	58	0
	b	76	41	0
	t	62	—	0
	g	66	54	0
	c	73	61	0
	u	73	56	0
		—		—
	u	60	39	0
	c	76	43	0
	c	74	41	0
	c	70	57	0·03
	g	—	—	0
	f	61	49	0
	g	69	57	0·04
	b	75	56	0
	b	67	51	0
	b	74	49	0
	b	73	54	0
	g	61	41	0·03
	u	71	55	0·10
	b	75	54	0
	u	68	54	0·01
	b	—	—	0
	g	67	60	0
	b	61	40	0
	b	62	37	0
	b	70	48	0
	u	69	45	0·08
	b	60	49	0
	g	69	52	0
	b	77	53	0
	g	65	52	0
	g	66	57	0·01
M'ss V'l	u	58	50	0·04
Euston	c	78	43	0
G'lburn	g	64	40	0·02
Wagga.	b	77	39	0
C Geo'.	c	66	51	0

	WT	M.x	MN	R'in
Cucambe'an	b	63	44	0
Deniliquin.	g	73	42	0
Moruya ..	.	—	—	—
Kiandra..	n	59	21	0
Albury ...	b	75	44	0
Bodalla..	g	73	43	0
Cooma	f	67	29	0
Eden . ..	c	65	50	0



H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. MAY 7 1894

Sydney Observatory.

Lat. 33° 51′ 41″ S. *Long.* 10*h.* 4*m.* 50·81*s.* E.

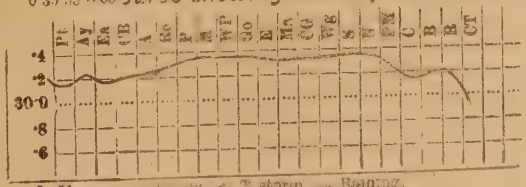
Average Annual Rainfall for 25 years 50·491

Average for 26 years from Jan. 1st to April 30. 21·130.

Total Rainfall from Jan. 1st to May 7. 16·903.

Barometers corrected to 32° Fah and Mean Sea Level.

0 3.763 S 65 *Curve showing state of Barometer.*



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.

If it is CALM, the symbol is used without the arrow.

~ smooth. ≈ heavy. ≋ very heavy.

61 30·19 E 14 B

CLOUDY GENERALLY

W 14 30·36 F 58

54 30·36 F 14 D

14 30·13 R 52 A

Stations.	WT	M	Rain
Queanbe'an	b	61	42	0
Deniliquin.	c	74	54	0
Moruya ...	.	—	—	—
Kiandra..	n	60	50	0
Albury ...	b	77	38	0
Bo'alla..	g	72	43	0
Cooma	f	70	36	0
Eden	c	64	51	0

68

TIME BALL
Drops at 1 p.m. S.M.T
or 2h.55m.9·12s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

B 65
C 28 63
PM 14 63
N 1 64
S 4 58
W 14 61
CG 14 60
E 14 62
Go 13 60
WP 13 60
Ma 56
Mc 59 13
P 51 13
Rc 18 59
A 57 0
CO 59 8

W — E
S

H. C. RUSSELL.
GOVERNMENT ASTRONOMER

	wt	M'x	Mn	R	in
	r	75	58	0	·13
u		68	45	0	
	c	77	60	0	·88
	c	87	59	0	
	c	75	54	0	·62
	u	68	45	0	
	b	71	38	0	
	u	79	60	0	
	g	75	41	0	
	b	60	—	0	
	b	69	43	0	
h	c	74	50	0	
		76	59	0	
v		—	—	—	
	u	59	46	0	·07
h	c	70	45	0	
n.	u	72	48	0	
e	u	72	58	0	·26
in	g	—	—	0	
i	f	61	51	0	
	g	70	58	0	·34
	o	71	62	0	
	g	61	51	0	·01
	c	75	55	0	
c.	u	78	68	0	
w	u	68	41	0	
R	u	72	58	0	·27
66					
ig	u	75	45	0	
d.	u	68	55	0	·07
d.	c	—	—	0	
tle	c	68	59	0	·16
	u	60	29	0	
st	u	61	31	0	
	u	71	—	0	
ria	u	56	50	0	·13
	u	60	54	0	
lin.	u	58	52	0	
ns	c	75	54	0	
	d	65	49	0	·01
	d	67	57	0	·06
th	g	82	47	0	
	g	84	51	0	
ng	e	66	53	0	·03
	g	63	43	0	
	u	82	49	0	

M'ss V'l	r	60	49	0
Euston	u	82	41	0
G'lburn	c	63	—	0
Wagga.	f	74	45	0
C Geo'	c	66	51	0 ·05

METEOROLOGY.

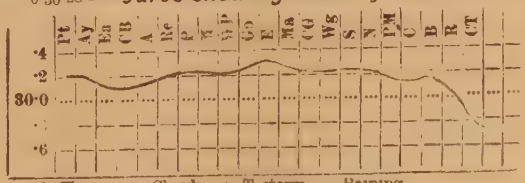
9 A.M. MAY 8 1894

Sydney Observatory.

Lat. 33 51 41" S., *Long.* 10*h.* 4*m.* 50·81*s.* E.

Average Annual Rainfall for 25 years 50·491
Average for 26 years from Jan. 1st to April 30 21·130.
Total Rainfall from Jan. 1st to May 8 16·519.
Barometers corrected to 32° Fah and Mean Sea Level.

0 30·28 F 64 *Curve showing state of Barometer.*



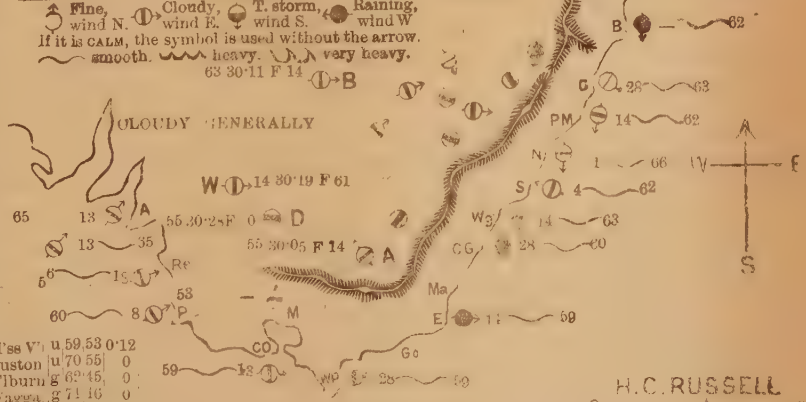
Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow.

smooth. heavy. very heavy.

63 30·11 F 14 B

Stations.	W	M		
Queanbe'an	g	63	49	0
Deniliquin.	u	74	55	0
Moruya	r	—	—	—
Kiandra	f	56	30	0
Albury	u	73	45	0
Bodalla	r	71	51	0·12
Cooma	c	70	48	0·05
Eden	p	65	57	0·34



M'ss V'	u	59	53	0·12
Euston	u	70	55	0
G'lburn	g	62	45	0
Wagga	g	71	46	0
C Geo'	p	66	53	0·67

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

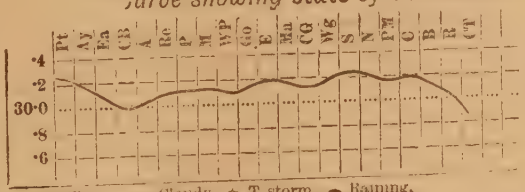
9 A.M. MAY 9 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years . . . 50·491
Average for 26 years from Jan. 1st to April 30 . . 21·130.
Total Rainfall from Jan. 1st to May 9 . . 16·902.
Barometers corrected to 32° Fah and Mean Sea Level.

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.

Stations.	WT	M		MR	R in
Qeaunbey'n	c	64	55	0·03	
Deniliquin	c	75	48	0	
Moruya	p	—	—	—	
Kiandra	c	55	41	0·04	
Albury	u	72	51	0	
Bodalla	p	62	55	2·86	
Cooma	c	62	49	0·06	
Eden	p	63	59	2·05	

Stations.	WT	M		MR	R in
ino	c	75	56	0·17	
t'rfield	b	65	52	0	
rence	u	76	59	1·59	
ree	b	83	52	0	
fton	r	73	58	0·02	
Inn's	—	—	—	—	
erell	b	72	35	0	
arke	c	79	61	0	
rabri	b	73	40	0	
nidale	b	60	—	0	
dem r.	c	63	47	0	
nned'h	b	73	54	0	
amble	c	77	55	0	
mpsey	—	—	—	—	
lcha	u	60	49	0·02	
mw'rth	b	71	46	0	
onab'n	b	71	41	0	
'cqrie	c	70	61	0·91	
icannia	c	—	—	0	
rr'ndi	f	67	54	0	
ree	b	72	60	0·53	
ilis	—	—	—	—	
ss'lbr'k	u	72	55	0	
bbo	b	76	55	0	
nindie	u	73	60	0	
gleton	u	69	44	0	
ls'n's B.	r	75	57	0·20	
8 62					
Mudg	b	79	48	0	
itland	f	71	55	0	
ll End	c	—	—	0	
wcastle	c	75	61	0·11	
ange	c	60	50	0	
thurst	g	61	50	0·03	
rbes	b	72	56	0	
V'ct'ria	c	60	51	0·19	
rcoar	b	60	55	0	
nd'o'l'n	c	65	55	0	
arsdens	u	74	52	0	
cton	f	69	55	0·02	
dney	g	68	59	0·40	
entw'th	u	81	55	0	
oung	u	74	59	0·04	
oll'g'ng	c	73	54	0·75	
aralga	g	61	46	0·04	
ay	b	84	58	0	

M'ss V'l	u	63	53	0·20
Euston	u	85	55	0
G'lb'rn	u	61	51	0·15
Wagga	u	72	49	0
C. Geo.	p	66	55	1·90

Barometer has fallen about 0·10 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

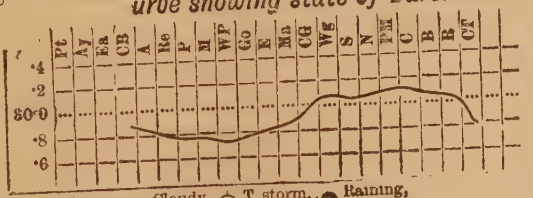
9 A.M. MAY 10 1834.

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to April 30.....21·130.
Total Rainfall from Jan. 1st to May 10.....16·903.
Barometers corrected to 32° Fah and Mean Sea Level

urve showing state of Barometer.



Stations.	WT	M.	MN	R in
Qeaunbey'n	b	64	51	0·04
Deniliquin	r	75	51	0·92
Moruya	f	—	—	—
Kiandra	d	55	42	0·03
Albury	r	70	56	0·18
Bodalla	c	67	45	0·10
Cooma	c	71	49	0
Eden	–	—	—	—

ns.	wt	M'x	MN	R in
...	p	72	59	0·68
eld	u	67	59	0
ce	p	71	63	0·58
...	c	86	57	0
n..	c	71	43	0·20
n's	u	67	53	0·02
l..	b	72	37	0
e..	b	79	64	0·06
ri.	u	74	37	0
ale	b	61	—	0·06
n'r.	b	68	41	0
ed'h	c	73	56	0
ble	b	76	60	0·02
sey.	–	—	—	—
a..	c	60	42	0
'rth	b	76	47	0
b'n	u	76	44	0
qric	c	75	55	0
nnia	b	—	—	0·30
'ndi	b	64	51	0
....	b	73	55	0
is..	b	78	63	0
or'k	c	74	53	0
o...	o	81	56	0
ndie.	g	69	59	0·46
eton	f	73	41	0
's B.	c	74	60	0·05
Iudg	c	77	47	0
and.	f	70	53	0
End.	c	—	—	0
astle	c	71	60	0
re..	g	63	48	0
irst.	g	69	45	0
es...	r	67	55	0
ct'ria	c	59	52	0·10
oar..	g	64	54	0
d'b'l'n	r	59	55	0·21
sdens	c	76	54	0
on...	f	77	46	0·11
ney..	g	67	56	0·01
atw'th	c	68	55	0·61
ng...	u	83	53	0
l'g'ng	b	67	53	0·35
alga..	b	68	46	0
y.....	u	81	56	1·04

M'ss V'l	b	63	50	0·08
Euston	g	76	55	0·45
G'lb'rn	b	68	49	0
Wagga.		74	53	0·12
C. Geo.	c	64	54	0·22

AS

Pt Ay Ea CB A Re P M WP Go E Ma CG Wg S N PM C B B CT

·4 ·2 30·0 ·8 ·6

Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.

66 29·93 F 0 B

CLOUDY GENERALLY

W 28 29·96 F 57

58 29·91 F 14 D

59 29·76 F 14 A

59 8 A 18 57 54 13 Re 8 59 8 P M CO 57 13 WP 8 60 Go E Ma CG 42 63 Wg 14 64 S 0 58 N 1 62 PM 14 62 C 14 62 B 66 R 69

TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

W E S

Barometer has fallen about 0·20 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. MAY 12 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to April 30.....21·130.
Total Rainfall from Jan. 1st to May 12 .....16·947.
Barometers corrected to 32° Fah and Mean Sea Level

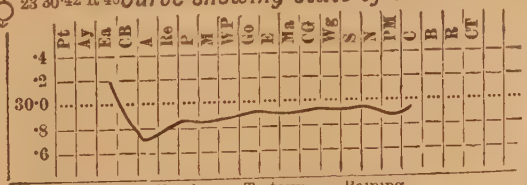
Stations.	WT	M	MN	R in
Qeaunbey'n	b	61	49	0·21
Deniliquin .	d	66	49	0·18
Moruya....	–	—	—	—
Kiandra...	c	58	38	1·35
Albury	u	66	39	0·67
Bodalla....	b	75	45	0·07
Cooma	c	69	51	0·08
Eden	c	65	55	0

M'x	MN	R in
77	57	0·05
74	49	0·23
76	61	0·40
80	57	0·29
77	51	0
69	58	0·41
71	35	0·50
74	58	0·43
78	41	0
63	—	0·86
70	46	0·32
73	53	0
72	52	0·13
—	—	—
60	37	0·32
73	49	0·11
74	39	0·09
73	57	0·12
—	—	2·17
69	54	0·50
74	56	0·03
69	51	0
74	52	0·31
75	47	0·13
66	51	0·15
72	42	0
76	58	0·10
81	47	0
72	53	0
—	—	0·18
71	58	0
61	45	0·20
67	41	0·25
69	49	0·28
61	49	0·04
60	50	0·13
57	50	0·57
75	53	0
68	48	0·37
69	56	0·04
62	52	0·32
79	51	0·57
78	50	0
69	45	0·73
79	49	0·18

M'ss V'l	f	63	51	0·03
Euston	u	65	53	0·41
G'lb'rn	g	67	47	0·15
Wagga.	d	70	48	0·06
C. Geo.	c	68	50	0

AS 23 30·42 R 40

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.

58 29·86 F 14 B

CLOUDY GENERALLY

W 42 29·73 F 54

23 50 A 56 29·81 F 14 D

52 29·76 S 0 A

Re 3 P M 54 34 CO 56 13 WP 28 57 Go E 14 57 Ma CG 14 60 Wg 14 63 S 6 59 N 0 65 PM 14 61 G 62 R B

TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

W E S

Barometer has fallen about 0·10 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

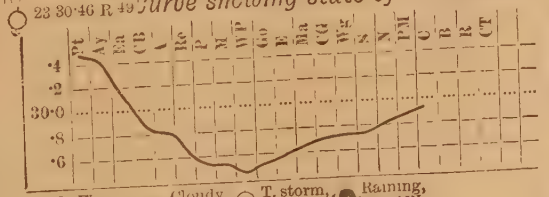
9 A.M. MAY 13 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 25 years ..... 50·491
Average for 26 years from Jan. 1st to April 30 ..... 21·130.
Total Rainfall from Jan. 1st to May 13 ..... 17·859.
Barometers corrected to 32° Fah and Mean Sea Level

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.

Stations.		W'fall	Rain
Queanbey'n	c	61	0·27
Deniliquin	d	60	0·23
Moruya	–	—	—
Kiandra	r	51	0·58
Albury	p	65	0·45
Bodalla	b	72	0·35
Cooma	c	71	0·21
Eden	b	65	0·31

TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9 35′ 37″ E.

CLOUDY GENERALLY

W 42 29·76 R 47

47 29·66 F 14 D

49 29·65 F 14 A

54 29·88 R 42 B

Barometer has fallen about 0·20 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

M'ss V'l	b	61	45	0·14	
Euston	d	60	44	0·23	
G'lb'rn	b	65	41	0·50	
Wagga.	u	70	42	0·63	
C. Geo.	b	64	46	0	

METEOROLOGY.

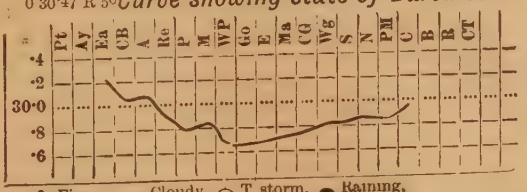
9 A.M. MAY 14 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to April 30.....21·130.
Total Rainfall from Jan. 1st to May 14 .....17·860.
Barometers corrected to 32° Fah and Mean Sea Level

0 30·47 R 50 *Curve showing state of Barometer.*



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.

53 30·05 R 28 B

Stations.	WT	M		R
Qeaunbey'n	b	53	43	0·18
Deniliquin .	b	54	34	0·08
Moruya....	–	—	—	—
Kiandra...	g	44	28	0·05
Albury	u	52	33	0·32
Bodalla....	b	67	36	0
Cooma	n	66	32	0
Eden.....	b	62	47	0

TIME BALL
Drops at 1 p.m. S M T or 2h. 55m. 9·19s. a.m. Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

CLOUDY GENERALLY

W 28 30·14 R 46

55 29·77 R 28 D

45 29·84 R 0 A

Barometer has risen about 0·10 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

wt	M'x	Mn	R in
b	89	53	0
u	68	50	0
c	68	52	0
c	63	48	0
b	73	47	0
g	52	43	0
b	71	31	0
u	68	49	0
b	63	40	0
u	54	—	0
u	54	45	0
c	60	49	0
c	60	48	0
–	—	—	—
g	49	37	0
c	58	46	0
m	57	43	0·09
b	73	56	0
b	—	—	0
p	54	47	0
b	70	52	0
b	58	50	0
g	69	57	0
b	57	47	0·27
b	59	46	0
b	61	31	0
–	—	—	—
u	56	37	0·20
b	61	49	0
p	—	—	1·02
b	62	52	0
u	53	33	1·01
u	52	40	0·41
c	58	43	0·33
b	47	40	0·18
r	52	45	0·70
b	45	43	0·13
b	77	51	0·41
c	60	44	0
b	62	51	0
g	56	41	0·07
g	66	42	0·75
b	68	46	0
b	52	32	0·35
b	72	39	0·07

M'ss V'l	b	54	41	0
Euston	b	55	34	0
G'lb'rn	g	54	38	0·08
Wagga.	b	51	38	0·15
C. Geo.	b	64	52	0

METEOROLOGY.

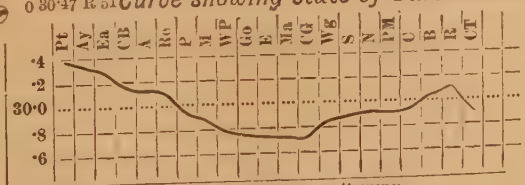
9 A.M. MAY 15 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

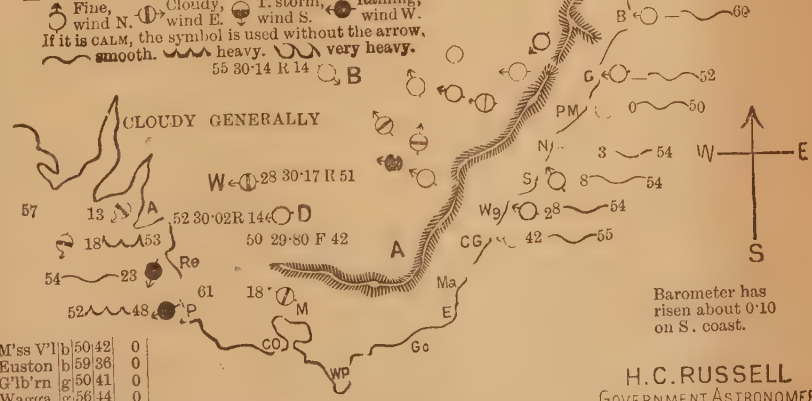
Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to April 30.....21·130.
Total Rainfall from Jan. 1st to May 15 .....17·860.
Barometers corrected to 32° Fah and Mean Sea Level

0 30·47 R 51 *Curve showing state of Barometer.*



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.

Stations.	W	M	[illegible]	R
Qeaunbey'n	c	51	44	0
Deniliquin .	b	57	37	0
Moruya....	–	—	—	—
Kiandra....	r	49	25	0
Albury	u	53	45	0·11
Bodalla....	b	76	37	0
Cooma	q	65	39	0
Eden	–	—	—	—



Barometer has risen about 0·10 on S. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

s.	Wt	M'x	Mn	R in
..	b	72	43	0
ld	b	60	39	0
e.	b	71	50	0
..	b	66	38	0
..	b	73	47	0
's	n	51	39	0
..	f	71	24	0
..	b	64	45	0
i.	b	63	40	0
.c	b	57	—	0
r.	b	51	42	0
'h	b	61	44	0
le	b	63	39	0
y.	–	—	—	—
..	c	49	34	0
th	b	59	46	0
n	n	61	27	0
ie	b	70	39	0
ia	b	—	—	0
di	c	56	46	0
..	b	70	50	0
..	c	53	50	0
'k	b	70	46	0
..	u	60	40	0
lie.	g	63	48	0
on	b	63	37	0
B.	c	75	53	0
58				
dg	u	62	36	0
nd.	b	62	48	0
nd.	o	—	—	0·02
tle	b	61	50	0
e ..	u	54	33	0
st.	u	50	41	0·01
..	g	58	43	0
'ria	c	46	38	0
r..	u	50	44	0
'l'n	u	50	44	0
ens	u	70	50	0
..	b	59	43	0
y ..	b	63	51	0
'th	c	61	45	0
..	d	63	43	0
'ng	b	66	42	0
a..	c	51	35	0
..	u	72	41	0

M'ss V'l	b	50	42	0
Euston	b	59	36	0
G'lb'rn	g	50	41	0
Wagga.	g	56	44	0
C. Geo.	b	62	45	0

METEOROLOGY.

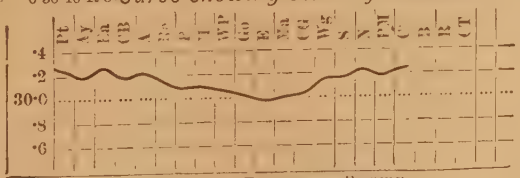
9 A.M. MAY 16 1884

Sydney Observatory.

Lat. 33° 51′ 41″ S. ; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to April 30.....21·130.
Total Rainfall from Jan. 1st to May 16 .....17·860.
Barometers corrected to 32° Fah and Mean Sea Level

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.

61 30·21 R 14

CLOUDY GENERALLY

W 14 30·32 R 44

43 30·32 R 0 D

41 30·08 R 0 A

TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9° 35′ 37″ E.

Barometer has risen about 0·25 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

Stations.	wt	M	m	R
Queanbeyan	b	54	40	0
Deniliquin	b	66	33	0
Mornya	-	—	—	—
Kiandra	c	47	30	0
Albury	u	57	38	0·09
Bodalla	b	71	29	0
Cooma	b	60	34	0
Eden	b	60	45	0

	wt	M	x	m	R	in
	b	74	39		0	
	n	58	31		0	
	b	70	50		0	
	b	68	40		0	
	b	76	46		0	
	n	57	39		0	
	b	71	23		0	
	c	68	48		0	
	b	61	35		0	
	n	55	—		0	
	b	55	34		0	
	b	60	40		0	
	b	63	51		0	
	—	—	—		—	
	b	52	31		0	
	b	59	35		0	
	n	60	39		0	
	b	69	43		0	
	b	—	—		—	
	b	56	41		0	
	b	71	45		0	
	n	55	42		0	
	b	62	42		0	
	f	60	34		0	
	b	67	45		0	
	b	64	37		0	
	b	79	49		0	
	b	58	29		0	
	b	60	47		0	
	b	—	—		—	
	b	63	48		0	
	b	49	31		0	
	b	52	35		0	
	b	59	44		0	
	b	47	38		0	
	b	50	43		0	
	g	50	45		0	
	c	65	51		0	
	b	61	39		0	
	b	65	50		0	
M'ss V'l	b	64	39		0	
Euston	b	64	34		0	
G'lb'rn	b	53	36		0	
Wagga	g	62	33		0	
C. Geo.	b	65	41		0	

wt	M'x	Mn	R in
b	74 43		0
n	60 31		0
b	74 49		0
b	74 41		0
b	75 41		0
n	67 39		0
n	71 24		0
b	70 48		0
b	63 37		0
n	61 —		0
n	60 31		0
b	61 30		0
b	62 59		0
—	— —		—
b	62 21		0
—	— —		—
n	64 26		0
b	66 44		0
b	— —		0
b	58 38		0
b	67 43		0
n	57 37		0
b	65 35		0
b	64 32		0
p	62 48		0
b	62 37		0
b	80 47		0
58			
n	70 27		0
b	61 44		0
b	— —		0
b	65 45		0
n	48 30		0
n	56 28		0
b	60 34		0
b	45 35		0
b	52 36		0
b	46 41		0
n	65 50		0
b	61 33		0
b	67 46		0
g	66 43		0
b	73 34		0
b	74 46		0
n	58 33		0
u	72 42		0

METEOROLOGY.

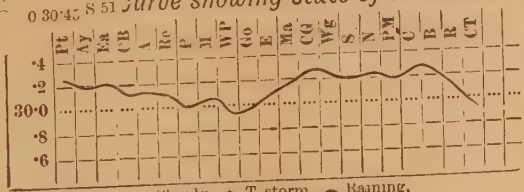
9 A.M. MAY 17 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

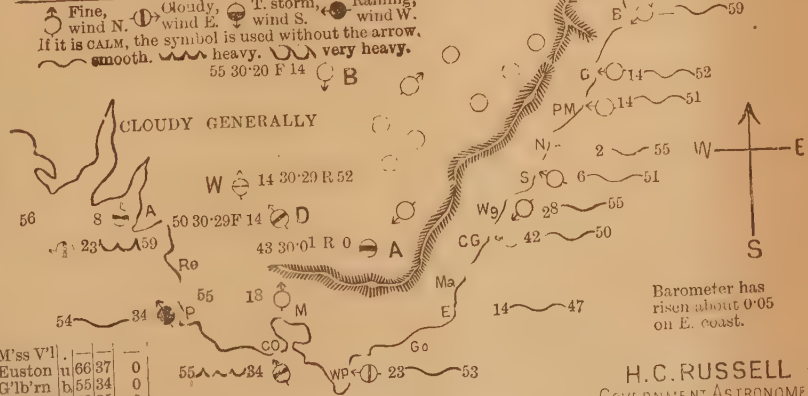
Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to April 30.....21·130.
Total Rainfall from Jan. 1st to May 17 .....17·861.
Barometers corrected to 32° Fah and Mean Sea Level

0 30·45 S 51 *Curve showing state of Barometer.*



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.

Stations.	Wt	M	Mn	R in
Qeaunbey'n	n	54	32	0
Deniliquin.	g	59	36	0
Moruya....	–	—	—	—
Kiandra...	n	55	38	0
Albury....	u	60	42	0
Bodalla ...	b	71	30	0
Cooma	n	64	23	0
Eden.....	b	61	44	0



Barometer has risen about 0·05 on E. coast.

M'ss V'l	.	—	—	—
Euston	u	66	37	0
G'lb'rn	b	55	34	0
Wagga.	b	63	35	0
C. Geo.	b	68	38	0

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. MAY 19 1884

Sydney Observatory.

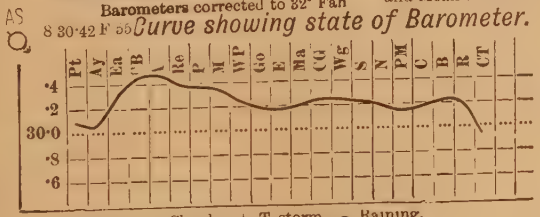
Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to April 30.....21·130.
Total Rainfall from Jan. 1st to May 19 .....17·861.
Barometers corrected to 32° Fah and Mean Sea Level

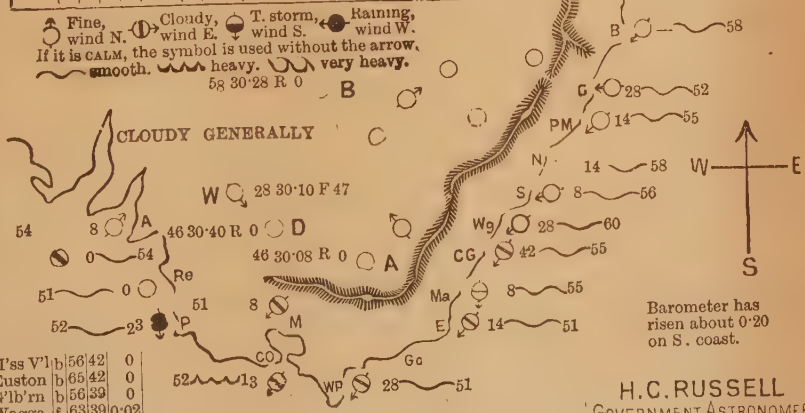
Stations.	WT	M	[illegible]	R	CT
Qeaunbey'n	b	58	34	0	
Deniliquin	b	60	35	0	
Moruya	u	68	45	0	
Kiandra	c	47	29	0	
Albury	b	63	43	0·15	
Bodalla	b	75	31	0	
Cooma	c	67	30	0·02	
Eden	u	65	48	0·05	

WT	M'x	MN	R in
b	72	41	0
—	—	—	—
b	74	48	0
b	75	40	0
f	73	48	0
n	62	41	0
b	74	43	0
b	73	51	0
b	68	35	0
b	51	42	0
n	51	31	0
b	65	40	0
b	67	38	0
—	—	—	—
b	57	24	0
b	64	33	0
n	67	30	0
b	69	44	0
b	—	—	0
b	53	39	0
b	69	45	0
n	55	36	0
b	61	40	0
b	69	33	0
b	69	51	0
b	67	39	0
b	79	48	0
b	69	30	0
b	64	45	0
b	—	—	0
b	69	50	0
u	52	41	0·03
b	58	31	0
b	60	34	0
b	52	40	0
b	52	41	0
b	50	44	0
b	71	55	0
b	64	35	0
b	70	53	0
b	67	43	0
n	72	42	0
b	75	51	0
b	61	34	0
b	70	42	0

M'ss V'l	b	56	42	0
Euston	b	65	42	0
G'lb'rn	b	56	39	0
Wagga.	f	63	39	0·02
C. Geo.	u	58	46	0



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.



Barometer has risen about 0·20 on S. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

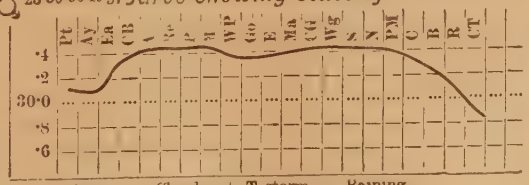
9 A.M. MAY 20 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to April 30.....21·120.
Total Rainfall from Jan. 1st to May 20 .....17·861.
Barometers corrected to 32° Fah and Mean Sea Level

Curve showing state of Barometer.

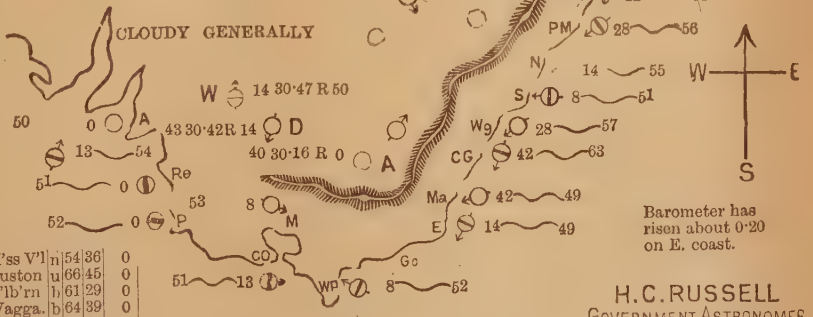


Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.

Stations.	WT	M	R
Queanbey'n	n	56	38	0
Deniliquin	b	62	32	0
Moruya	b	59	43	0
Kiandra	n	50	24	0
Albury	b	62	37	0
Bodalla	b	64	34	0
Cooma	n	60	24	0
Eden	b	58	46	0

R — 60

TIME BALL
Drops at 1 p.m. S MT
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.



Barometer has risen about 0·20 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

	M	x	M	R	in
	74	45		0	
	64	34		0	
	73	56		0	
	77	43		0	
	75	49		0	
	67	46		0	
	71	23		0	
	71	47		0	
	66	39		0	
	62	44		0	
	57	31		0	
	63	45		0	
	66	42		0	
	—	—		—	
	55	39		0	
	64	34		0	
	64	28		0	
	68	52	0	04	
	—	—		0	
	53	43		0	
	69	50	0	03	
	—	46		0	
	66	46		0	
	67	38		0	
	68	47		0	
	63	39		0	
	72	53	0	19	
	77	38		0	
	—	49		0	
	—	—		0	
	69	50	0	02	
	51	36		0	
	60	38		0	
	61	38		0	
	52	38		0	
	53	41		0	
	68	42		0	
	73	53		0	
	62	39		0	
	65	47		0	
M'ss V'l	n	54	36		0
Euston	u	66	45		0
G'lb'rn	b	61	29		0
Wagga.	b	64	39		0
C. Geo.	b	58	45		0

wt	M'x	Mn	R	in
u	68	44		0
b	65	39		0
u	68	53		0
b	74	46		0
b	71	50		0
b	67	51		0
b	64	28		0
b	67	47		0
b	65	35		0
u	62	40		0
c	54	35		0
b	62	45		0
b	66	41		0
—	—	—		—
b	54	37		0
b	65	35		0
n	67	29		0
p	66	52		0·04
b	—	—		0
c	58	48		0
p	67	52		0
—	—	—		—
g	68	47		0·02
b	65	39		0
b	61	41		0
b	66	36		0·03
g	77	51		1·30
b	68	39		0
c	—	48		0·20
b	—	—		0
p	61	52		0·90
n	52	37		0
b	59	40		0
b	67	41		0
b	49	39		0
n	53	39		0
b	49	43		0
c	73	53		0
g	61	39		0
r	61	49		0·59
c	62	43		0
n	78	39		0
c	70	47		0
g	69	33		0
n	69	38		0

METEOROLOGY.

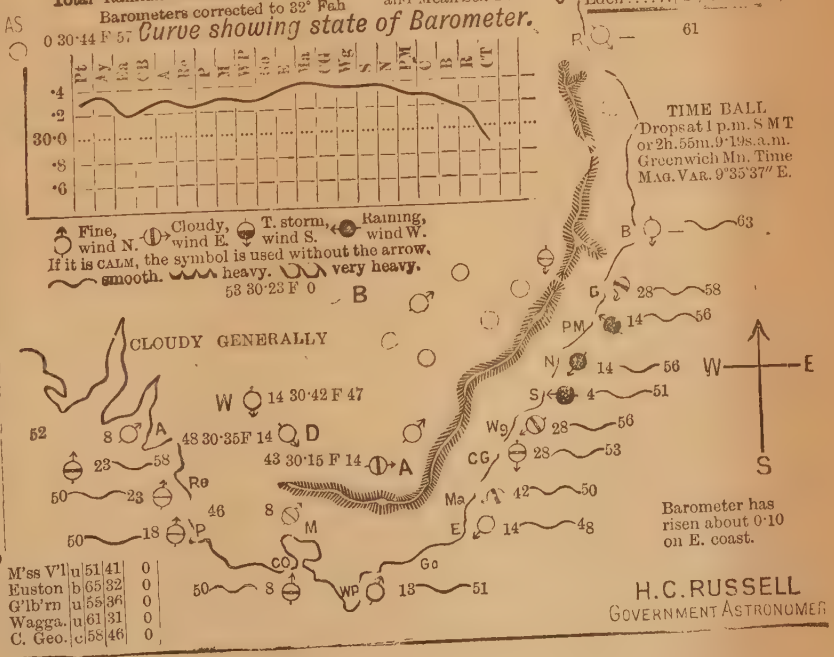
9 A.M. MAY 21 1884.

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to April 30.....21·130.
Total Rainfall from Jan. 1st to May 21 .....18·459.
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	WT	M.	MIN	R
Qeaunbey'n	n	53	37	0
Deniliquin.	b	65	30	0
Moruya....	c	60	49	0
Kiandra...	n	46	22	0
Albury	u	64	38	0
Bodalla....	c	65	38	0
Cooma	n	63	27	0
Eden.....	b	59	44	0



M'ss V'l	u	51	41	0
Euston	b	65	32	0
G'lb'rn	u	55	36	0
Wagga.	u	61	31	0
C. Geo.	c	58	46	0

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. MAY 22 1884

Sydney Observatory.

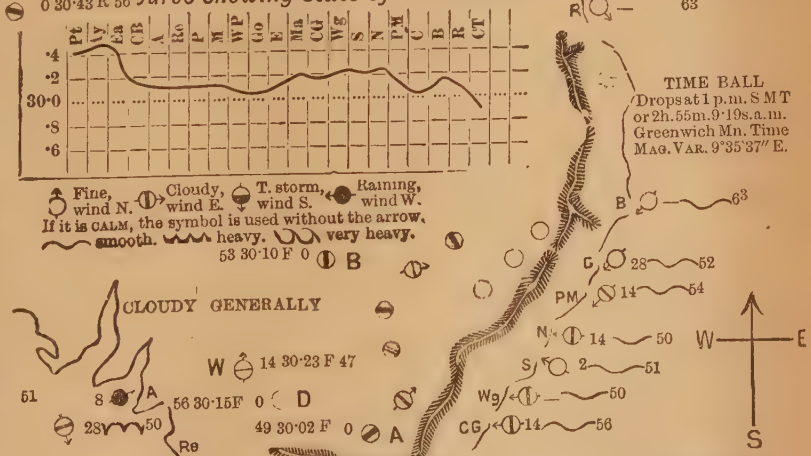
Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to April 30.....21·130.
Total Rainfall from Jan. 1st to May 22 .....18·742.
Barometers corrected to 32° Fah and Mean Sea Level

0 30·43 R 56 *Curve showing state of Barometer.*

Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.

Stations.	WT	M	MIN	R
Qeaunbey'n	u	53	36	0
Deniliquin.	b	66	36	0
Moruya....	c	69	44	0
Kiandra...	n	48	27	0
Albury	u	63	47	0
Bodalla....	b	67	33	0
Cooma	c	60	26	0
Eden.....	b	59	45	0



Barometer has fallen about 0·15 on E. coast.

H.C. RUSSELL
GOVERNMENT ASTRONOMER

wt	M'x	MIN	R in
b	67	44	0
b	62	33	0
b	68	50	0
u	75	43	0
b	72	51	0
c	65	51	0
g	62	26	0
u	69	51	0
u	66	58	0
f	64	50	0
g	59	33	0
c	63	44	0
c	67	41	0
—	—	—	—
f	55	29	0
b	67	39	0
c	69	30	0
c	64	48	0
u	—	—	0
f	54	39	0
b	66	46	0·08
n	—	47	0
f	66	46	0
b	65	43	0
c	61	46	0
f	61	37	0
c	64	44	0·22
u	66	37	0
f	—	44	0·12
c	—	—	0
f	60	46	0·69
u	58	37	0
f	61	35	0
c	65	44	0
g	50	43	0
u	53	41	0
u	50	46	0
c	67	51	0
c	59	38	0
b	61	48	0·28
c	65	44	0
g	71	41	0
c	71	41	0
b	65	33	0
c	69	41	0

M'ss V'l	c	52	36	0
Euston	c	69	53	0
G'lb'rn		58	34	0
Wagga.		62	31	0
C. Geo.	c	59	42	0·44

METEOROLOGY.

9 A.M. MAY 23 1884

Sydney Observatory.

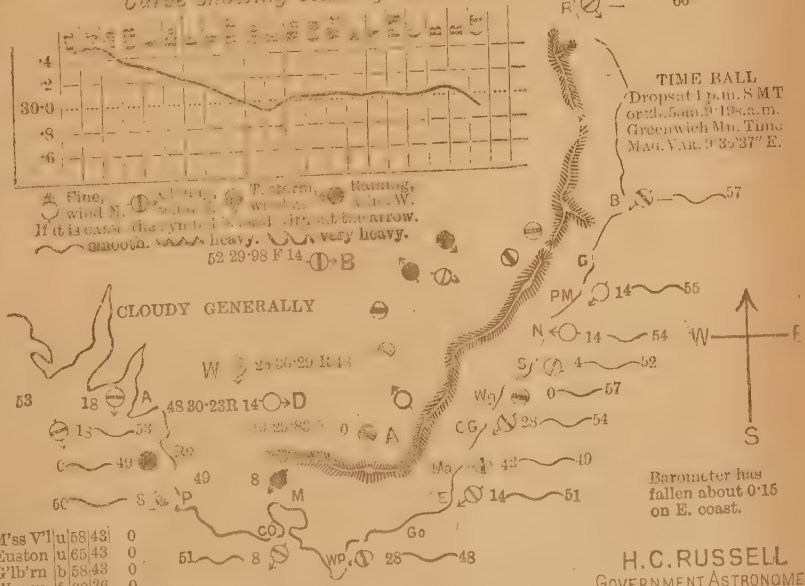
Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to April 30.....21·130.
Total Rainfall from Jan. 1st to May 23 .....18·743.
Barometers corrected to 32° Fah. and Mean Sea Level

Stations.	WT	M	[illegible]	R	[illegible]
Qeaunbey'n	b	54	41	0	
Deniliquin.	b	61	36	0	
Moruya....	u	63	48	0	
Kiandra...	f	45	30	0	
Albury	f	59	43	0	
Bodalla....	b	65	40	0	
Cooma	c	60	31	0	
Eden.....	c	59	48	0	

Curve showing state of Barometer.

Fine, wind N. T. storm, Raining, wind W.
If it is [illegible] the arrow.
smooth. heavy. very heavy.



Barometer has fallen about 0·15 on E. coast.

M'ss V'l	u	58	43	0
Euston	u	65	43	0
G'lb'rn	b	58	43	0
Wagga.	f	60	36	0
C. Geo.	c	63	45	0

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. MAY 24 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

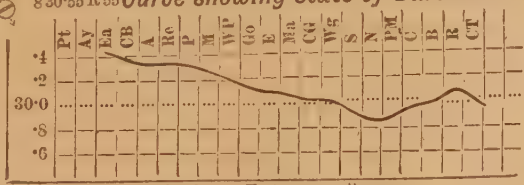
Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to April 30.....21·130.
Total Rainfall from Jan. 1st to May 24 .....20·311.
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	WT	M	Mn	R in
Qeaunbey'n	c	55	42	0·34
Deniliquin	b	61	32	0
Moruya....	u	63	50	0·06
Kiandra...	f	48	2[illegible]	0·09
Albury	b	63	39	0·01
Bodalla....	u	65	46	0
Cooma	c	60	37	0
Eden.....	p	60	49	0·01

wt	M'x	Mn	R in
b	61	43	0·42
d	54	38	0·49
b	71	50	0·19
u	66	47	0·30
b	70	51	0
u	65	54	0·51
b	60	30	0·20
b	59	44	0·54
u	53	35	0·37
u	63	49	0·36
u	47	38	0·32
f	56	44	0·37
b	63	42	0·02
—	—	—	—
u	45	31	0·25
c	54	41	0·40
b	60	33	0·23
b	66	46	0·16
b	—	—	0·05
b	51	46	0·45
b	62	49	0·10
—	—	—	—
—	—	—	—
—	—	—	—
p	59	49	0·16
u	54	43	0
p	75	49	0·05
b	58	33	0·65
p	—	48	0·04
u	—	—	0·07
p	59	50	0
u	49	35	0
r	51	36	0·03
f	65	38	0
r	49	37	0·10
u	50	40	0
b	55	41	0·05
b	68	52	0
—	—	—	—
r	59	48	1·57
b	57	46	0·11
u	65	49	0
r	70	44	1·34
u	56	35	0·70
b	68	39	0

M'ss V'l	r	59	40	0·11
Euston	b	61	40	0
G'lb'rn	u	57	41	0·05
Wagga.	f	68	33	0
C. Geo.	r	60	46	1·75

8 30·55 R 55 *Curve showing state of Barometer.*



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.

If it is CALM, the symbol is used without the arrow.

smooth. heavy. very heavy.

Barometer has fallen about 0·15 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. MAY 26 1884

Sydney Observatory.

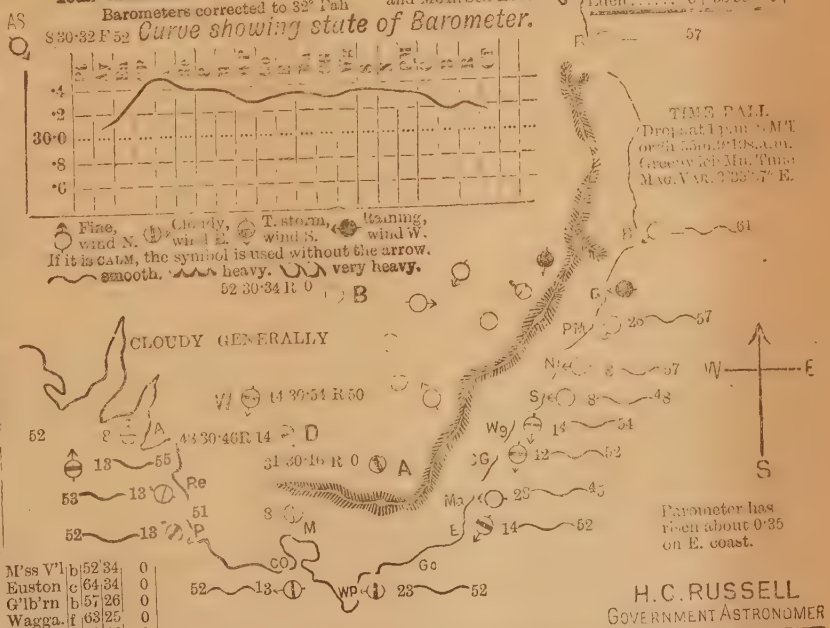
Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to April 30.....21·130.
Total Rainfall from Jan. 1st to May 26 .....22·867.
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	WT	M	M	R
Queanbey'n	n	51	31	0
Deniliquin .	u	66	33	0
Moruya....	b	62	43	0
Kiandra...	b	58	17	0
Albury ...	f	65	31	0
Bodalla ...	b	66	30	0
Cooma ...	n	61	26	0
Eden.....	c	58	50	0

	wt	M′x	M′n	R in
	r	70	51	0·44
d	u	60	41	0·30
	r	72	53	0·28
	b	71	46	0·11
	u	75	49	0·30
s	c	60	58	0·01
	b	66	31	0
	b	63	44	0
	b	63	33	0
	b	59	47	0·05
	n	52	38	0
h	f	61	41	0
	b	62	42	0
	—	—	—	—
	b	50	35	0·05
h	b	60	37	0
n	n	61	28	0
	b	64	52	0·34
	c	—	—	0
li	b	53	41	0·11
	b	60	51	0·30
	n	—	50	0
k	f	61	44	0·59
	g	63	31	0
e.	g	61	41	0
n	b	55	45	0·17
B.	b	77	46	0·14
55				
ig	f	64	35	0
d.	b	—	45	0
d.	b	—	—	0·20
le	b	62	50	0·03
	n	56	0	0
st.	n	59	25	0
	n	60	30	0
ria	b	50	39	0·29
...	n	48	31	0
l'n	b	42	34	0
ns	n	52	35	0
	b	61	32	0
	b	58	46	2·57
'th	g	61	45	0
	n	67	30	0
ng	b	68	41	0
a..	n	68	38	0
...	c	67	37	0

M'ss V'l	b	52	34	0
Euston	c	64	34	0
G'lb'rn	b	57	26	0
Wagga.	f	63	25	0
C. Geo.	c	58	46	0



METEOROLOGY.

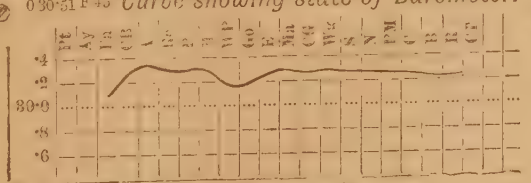
9 A.M. MAY 27 1884.

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years ..... 50·491
Average for 20 years from Jan. 1st to April 30 ..... 21·130.
Total Rainfall from Jan. 1st to May 27 ..... 22·875.
Barometers corrected to 32° Fah and Mean Sea Level

0 30·51 F 45 *Curve showing state of Barometer.*



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.

If it is CALM, the symbol is used without the arrow.

smooth. heavy. very heavy.

51 30·32 F 0 B

Stations.	WT	M	[illegible]	R	[illegible]
Qeaunbey'n	n	49	33	0	
Deniliquin .	u	67	42	0	
Moruya	b	60	40	0	
Kiandra ...	n	61	[illegible]	0	
Albury	o	58	31	0	
Bedalla	b	66	[illegible]	0	
Cooma	n	62	19	0	
Eden	c	59	46	0	

R — 58

TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9° 35′ 37″ E.

CLOUDY GENERALLY

W 14 30·50 F 55

48 30·47 R 0 D

45 29·95 F 0 A

52

8 A

13 — 57

53 — 23 Re

54

8 M

53 — 23 P

CO

52 — 18

WP 28 — 53

Go

E 14 — 47

Ma 14 — 45

CG 28 — 44

Wg — 51

S 4 — 47

N 13 — 53

PM 14 — 58

C — 58

B

W — E

S

Barometer has fallen about 0·05 on E. coast.

M'ss V'l	n	55	35	0
Euston	c	60	42	0
G'lb'rn	u	61	30	0
Wagga.	u	51	33	0
C. Geo.	b	59	36	0

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. MAY 28 1884

Sydney Observatory.

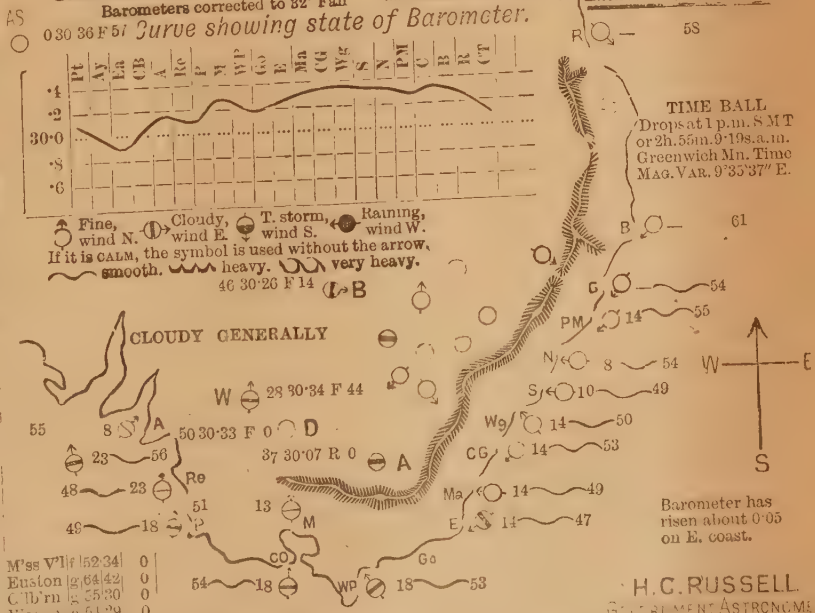
Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to April 30.....21·130.
Total Rainfall from Jan. 1st to May 28.....22·880.
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	WT	M		
Qeaunbey'n	f	42	33	0
Deniliquin.	b	67	37	0
Moruya....	b	53	43	0
Kiandra...	n	55	19	0
Albury....	f	56	30	0
Bodalla....	b	67	33	0
Cooma	n	61	27	0
Eden.....	c	60	45	0

...ors.	wt	M'x	Mn	R in
...o...	b	72	48	0
...field	–	—	—	—
...nce.	c	74	52	0
...s....	b	77	47	0
...on..	b	75	44	0
...nn's	–	—	—	—
...ell..	b	61	24	0
...ke..	u	64	43	0
...bri.	b	65	39	0
...dale	–	—	—	—
...m'r.	n	50	31	0
...ed'h	c	62	40	0
...nble	b	63	36	0
...psey.	–	—	—	—
...ha..	f	59	29	0
...w'rth	b	67	33	0
...nab'n	n	70	26	0
...cqrie	b	69	48	0
...ennia	u	—	—	0
...r'ndi	c	59	38	0
...e....	b	[illegible]	48	0
...ilis..	b	61	52	0
...lbr'k	f	60	35	0
...bo...	–	—	—	—
...indic.	u	53	43	0
...leton	f	63	43	0
...n's B.	b	79	48	0
...28 62				
...Mud.	f	66	27	0
...tland.	b	—	40	0
...l End.	b	—	—	0
...vcastle	b	66	46	0
...nge..	n	50	29	0
...hurst.	n	56	25	0
...rbes...	f	50	28	0
...V'ct'ria	b	57	42	0
...rcoar..	n	47	34	0
...nd'b'l'n	c	41	37	0
...rsdens	b	55	38	0
...cton...	c	59	35	0
...dney..	b	60	47	0·01
...entw'th	c	67	41	0
...oung...	g	57	30	0
...oll'g'ng	b	71	41	0
...aralga..	f	65	29	0
...ay.....	c	53	33	0

M'ss V'l	f	52	34	0
Euston	g	64	42	0
C. lb'rn	g	55	30	0
Wa[illegible]a.	g	51	29	0
C. Geo.	b	59	43	0



Barometer has risen about 0·05 on E. coast.

H. C. RUSSELL.
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. MAY 29 1884

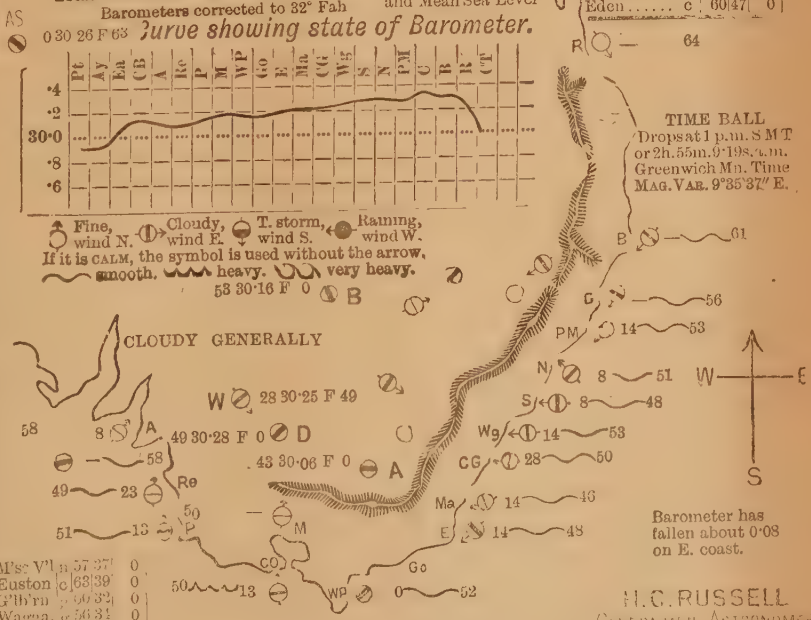
Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to April 30.....21·130.
Total Rainfall from Jan. 1st to May 29 .....22·894.
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	WT	M X	MN	R in
Qeaunbey'n	f	47	38	0
Deniliquin.	u	63	39	0
Moruya....	g	66	43	0
Kiandra...	n	54	23	0
Albury	g	55	36	0
Bodalla....	g	65	37	0
Cooma	u	58	30	0
Eden	c	60	47	0

	M'x	MN	R in
	83	51	0
	84	34	0
	73	52	0
	73	62	0
	75	44	0
	67	58	0
	61	31	0
	62	46	0
	67	35	0
	60	48	0
	50	38	0
	61	45	0
	—	—	—
	—	—	—
	58	35	0
	66	34	0
	68	37	0
	65	49	0
c	—	—	0
m	60	42	0
g	70	48	0
a	—	34	0
g	62	39	0
m	62	41	0
g	59	45	0
g	63	43	0
g	73	49	0
c	66	30	0
u	-	42	0
u	—	—	0
g	67	49	0
u	52	33	0
u	58	28	0
g	50	39	0
g	58	47	0
u	53	38	0
c	43	40	0
n	56	39	0
c	59	35	0
g	64	48	0
c	47	43	0
u	68	33	0
c	70	43	0
g	63	34	0
c	58	40	0



M'ss V'l	n	57	37	0
Euston	c	63	39	0
G'lb'rn	g	60	32	0
Wagga.	g	56	34	0
C. Geo.	c	65	46	0

Barometer has fallen about 0·08 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

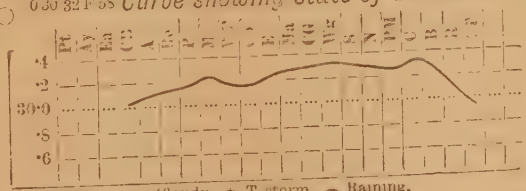
9 A.M. MAY 30 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to April 30.....21·130.
Total Rainfall from Jan. 1st to May 30 .....22·895.
Barometers corrected to 32° Fah and Mean Sea Level

0 30 32 F 55 *Curve showing state of Barometer.*

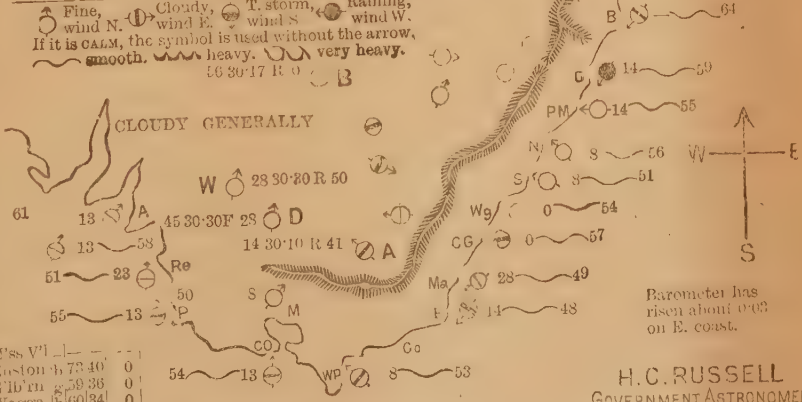


Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow,
smooth. heavy. very heavy.

Stations.	WT	M	S	PD	R	T
Qeaunbey'n	g	52	38		0	
Deniliquin	b	65	40		0	
Moruya....	g	67	45		0	
Kiandra...	n	54	27		0	
Albury	c	60	37		0	
Bodalla....	g	67	41		0	
Cooma	n	60	38		0	
Eden.....	c	60	47		0	

63

TIME BALL
Drops at 1 p.m. S.M.T. or 2h.55m.9·19s.a.m. Greenwich Mn. Time
MAG. VAR. 9° 35′ 37″ E.



Barometer has risen about 0·03 on E. coast.

	WT	M	S	PD	R	T
M'ss V'l						
Euston	b	73	40		0	
G'lb'rn	g	59	36		0	
Wagga.	b	60	34		0	
C. Geo.	c	66	50		0	

H. C. RUSSELL
GOVERNMENT ASTRONOMER

	WT	M	S	PD	R	in
.	b	77	57		0	
d.	b	61	41		0	
.	r	74	53	0·30		
..	c	75	53		0	
..	c	77	45		0	
s	b	67	60		0	
..	b	64	31		0	
..	b	68	49		0	
i.	b	62	34		0	
e	b	61	50		0	
r.	b	55	37		0	
h	c	62	44		0	
e	b	70	49		0	
y.		—	—		—	
.	b	53	28		0	
th	b	61	40		0	
u	c	68	34		0	
e	b	63	48		0	
ia	b	—	—		0	
di	b	60	44		0	
..	b	65	50		0	
..	c	—	40		0	
k	b	64	40		0	
..	g	59	42		0	
lic.	b	63	47		0	
on	b	63	45		0	
B.	b	81	47		0	
dg	f	60	30		0	
d.	b		43		0	
d.	b	—	—		0	
tle	b	59	49		0	
..	b	53	34		0	
st.	f	53	30		0	
..	b	55	40		0	
ria	b	59	47		0	
r..	b	50	41		0	
l'n	g	54	45		0	
ns	c	65	46		0	
..	—	—	—		—	
y..	b	59	49		0	
'th	b	70	43		0	
..	g	71	40		0	
'ng	b	71	46		0	
a..	b	65	30		0	
....	b	65	44		0	

METEOROLOGY.

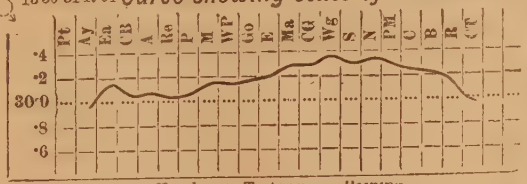
9 A.M. MAY 31 1884.

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to April 30.....21·130.
Total Rainfall from Jan. 1st to May 31 .....22·896.
Barometers corrected to 32° Fah and Mean Sea Level

13 30 31 R 64 *Curve showing state of Barometer.*



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.

55 30·16 F 0

Stations.	WT	M		
Qeaumbey'n	b	56	39	0
Deniliquin	c	71	42	0
Moruya	c	66	43	0
Kiandra	n	58	21	0
Albury	b	68	41	0
Bodalla	b	71	34	0
Cooma	n	66	27	0
Eden	b	60	14	0

65

TIME BALL
Drops at 1 p.m. S.M.T. or 2h. 55m. 9·1s. a.m. Greenwich Mn. Time. MAG. VAR. 9°35′57″ E.

CLOUDY GENERALLY

W 28 30·21 F 54

48 30·29 R 14 D

44 30·06 R A

59 13 A 8 58 52 13 Re 57 18 55 P M CO 60 18 WP 13 56 Go E 14 48 Ma 28 48 CG 28 51 Wg 0 54 S 6 51 N 14 54 PM 14 G B 62

W E S

Barometer has risen about 0·03 on E. coast.

M'ss V'l	—	—	—	—
Euston	c	71	42	0
G'lb'rn	b	68	27	0
Wagga.	b	70	35	0
C. Geo.	b	67	51	0

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. JUNE 2 1884.

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years	.....50·491
Average for 26 years from Jan. 1st to May 31	.....26·376.
Total Rainfall from Jan. 1st to June 2	....23·123.

Barometers corrected to 32° Fah and Mean Sea Level

AS 0 30 41 S 54 *Curve showing state of Barometer.*

Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.

If it is CALM, the symbol is used without the arrow, smooth. heavy. very heavy.

Stations.	WTM.		RIN.
Qeaunbey'n	n	57	38	0
Deniliquin.	b	73	40	0
Moruya....	c	73	48	0
Kiandra...	n	57	18	0
Albury	f	63	41	0
Bodalla....	b	63	40	0
Cooma	f	69	26	0
Eden.....	b	64	48	0

TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

58 30·25 R 0 B

CLOUDY GENERALLY

W 14 30·27 R 47

60 23 A 50 30·37 R 0 D

46 30·14 R 0 A

Barometer has risen about 0·10 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. JUNE 3 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·31*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to May 31.....26·376.
Total Rainfall from Jan. 1st to June 3 ....23·138.
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	W F M			
Qeaunbey'n	n	55	28	0
Deniliquin	b	74	44	0
Moruya	c	70	45	0
Kiandra	n	56	27	0
Albury	g	66	41	0
Bodalla	b	74	24	0
Cooma	f	63	25	0
Eden	b	62	47	0

	62	48	0·15
	74	54	0·01
	80	47	0
	67	62	0·05
	73	46	0
	64	32	0
	7[illegible]	50	0
	72	40	0
	6[illegible]	48	0·04
	47	34	0
	66	47	0
	71	46	0
	58	31	0
	68	38	0
	68	32	0
	71	53	0·10
	69	60	0
	63	40	0
	70	51	0
	—	34	0
	68	38	0
	72	45	0
	75	48	0
	60	42	0
	75	50	0
	77	39	0
		43	0
	—	—	0
	63	53	0
	56	39	0
	67	33	0
	60	37	0
	56	49	0
	52	43	0
	56	46	0
	70	42	0
	62	44	0
	63	45	0·01
	76	45	0
	82	40	0
	73	51	0
	71	32	0
	69	48	0

M ss V'l	b	59	46	0·05
Euston	b	78	42	0
G'lb'rn	f	62	33	0
Wagga.	g	68	34	0
C. Geo.	b	67	52	0

0 30·33 F 57 *Curve showing state of Barometer.*

Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.

60 30·23 F 14

CLOUDY GENERALLY

TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

W 14 30·28 R 51

52 30·36 F 0

43 29·96 F 14

Barometer has risen about 0·10 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. JUNE 4 1896

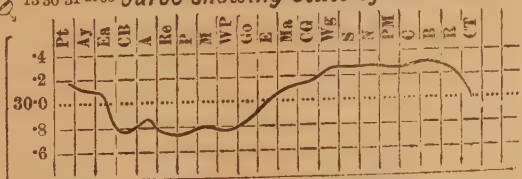
Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·31*s. E.*

Average Annual Rainfall for 25 years ..... 50·491
Average for 26 years from Jan. 1st to May 31 ..... 26·376.
Total Rainfall from Jan. 1st to June 4 .... 23·140.
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	WT	M	MN	R
Qeaunbey'n	g	57	40	0·02
Deniliquin	n	71	51	0
Moruya	g	60	51	0
Kiandra	r	55	38	0·17
Albury	b	68	43	0·05
Bodalla	g	73	34	0
Cooma	c	68	39	0
Eden	u	64	50	0

13 30·31 R 65 *Curve showing state of Barometer.*



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.

64 30·13 F 28

CLOUDY GENERALLY

W 14 30·08 F 51

61 30·04 F 42

59 29·89 F 28

TIME BALL
Drops at 1 p.m. S.M.T. or 2h. 55m. 9·19s. a.m. Greenwich Mn. Time
MAG. VAR. 9° 35′ 37″ E.

Barometer has fallen about 0·15 on E. coast.

M ss V'l	u	59	49	0
Euston		75	53	0
G'lb'rn		68	34	0
Wagga.	c	70	44	0·04
C. Geo.	c	67	57	0

b	75	58	0	
c	75	62	0	
u	75	56	0	
u	63	45	0	
u	62	32	0	
u	74	60	0	
u	72	41	0	
u	68	53	0·10	
g	65	38	0	
u	68	50	0	
c	71	50	0	
g	74	45	0	
g	70	40	0	
g	70	48	0	
f	—	—	0	
c	65	48	0	
g	68	46	0	
b	51	42	0	
f	66	41	0	
c	75	52	0	
c	74	54	0	
b	64	45	0	
c	79	54	0	
u	74	42	0	
f	—	46	0	
c	—	—	0	
c	69	52	0	
u	57	43	0·04	
u	68	35	0	
p	62	39	0	
u	53	49	0	
u	57	48	0	
u	60	52	0	
c	70	42	0	
f	62	43	0	
f	65	51	0	
u	75	50	0	
r	78	42	0	
c	73	53	0	
b	71	35	0	
c	73	49	0	

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. JUNE 5 1894

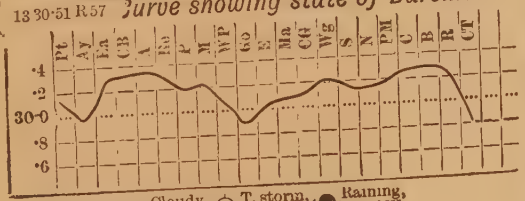
Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to May 31.....26·376.
Total Rainfall from Jan. 1st to June 5 ....23·146.
Barometers corrected to 32° Fah and Mean Sea Level

13 30·51 R 57

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.

61 30·20 R 14 B

CLOUDY GENERALLY

W 28 30·38 R 44

49 8 A 48 30·34 R 14 D

0 55

53 13 Re

53 18 P 50

8 M

CO

53 13 WP 34 47

Go 18 54

E 14 55

Ma 28 54

CG 42 64

Wg 42 61

S 6 58

N 14 60

PM 14 60

C 60

B 62

R 66

TIME BALL
Drops at 1 p.m. S MT
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

W E S

Barometer has fallen about 0·05 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

Stations.	WT	M		
Queanbeyan	b	56	45	0·58
Deniliquin	u	66	42	0
Moruya	c	70	53	0
Kiandra	f	42	33	1·18
Albury	u	67	46	0·18
Bodalla	b	71	44	0
Cooma	b	64	36	0·25
Eden	b	65	55	0

	wt	M'x	Mn	R	in
	b	75	55	0	
d	b	63	49	0·05	
.	c	75	59	0	
.	g	72	54	0	
.	f	75	49	0·23	
s	u	57	41	0	
.	b	62	33	0	
.	b	74	56	0	
.	u	68	39	0	
e	c	63	52	0·15	
r.	u	50	41	0	
h	c	67	49	0	
c	–	–	–	–	
y.	–	–	–	–	
.	u	57	43	0·10	
th	c	62	45	0·14	
n	–	–	–	–	
ie	b	63	52	0·05	
ia	b	–	–	0	
di	u	60	52	0·05	
.	b	65	48	0	
.	p	–	48	0·52	
k	r	65	45	0·03	
.	c	69	52	0·05	
ic.	b	70	49	0	
on	–	–	–	–	
R.	g	75	56		
54.					
dg	r	64	37	0·37	
nd.	c	–	48	0·02	
d.	p	–	–	0·65	
tle	g	66	53	0·	
e .	u	57	46	0·38	
rst.	u	61	45	0·28	
s.	c	60	43	0·21	
ria	u	56	47	0·20	
ar.	u	57	48	0·43	
.	b	64	52	0·09	
'l'n	b	70	55	0·07	
ens	b	64	44	0·16	
n.	c	66	53	0·01	
y.	b	68	41	0	M ss V'l
w'th	b	68	49	0·54	Euston
g.	b	71	54	0	G'lb'rn
ng	c	60	40	0·43	Wagga.
ga.	p	68	35	0	C. Geo.
.	o				

–	–	–	–	
b	66	40	0	
b	68	43	0·15	
b	71	41	0·32	
c	66	52	0	

METEOROLOGY.

9 A.M. JUNE 6 1884

Sydney Observatory.

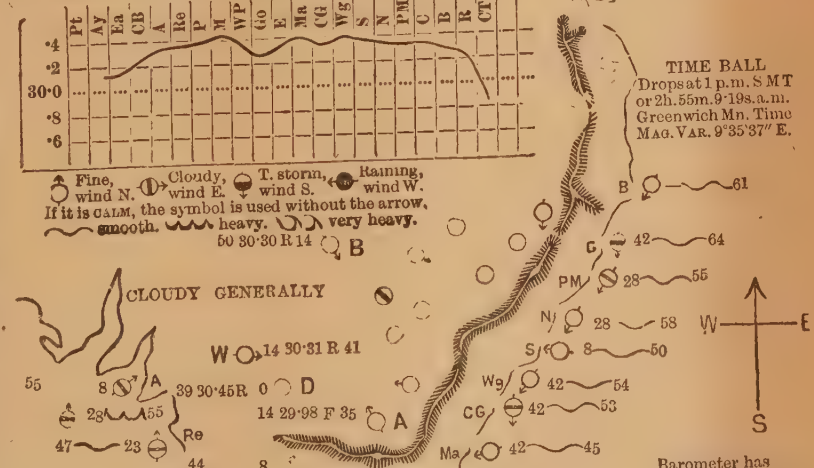
Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to May 31.....26·376.
Total Rainfall from Jan. 1st to June 6 ....23·163.
Barometers corrected to 32° Fah and Mean Sea Level

0 30·46 S 55 *Curve showing state of Barometer.*

Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.

Stations.	WT	M	[illegible]	[illegible]
Qeaunbey'n	n	55	34	0
Deniliquin.	b	65	32	0
Moruya....	b	69	40	0
Kiandra...	n	4[illegible]	19	0
Albury	n	62	33	0
Bodalla....	b	69	38	0
Cooma	n	70	27	0
Eden.....	b	64	47	0



Barometer has risen about 0·25 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER.

	wt	M′x	MD	R in
.	b	79	53	0
d	f	68	41	0
.	c	76	62	0
.	b	74	47	0
.	c	79	50	0
s	f	63	39	0
..	b	67	31	0
.	b	70	46	0
	b	74	43	0
	b	59	52	0
r.	n	45	33	0·16
h	b	70	42	0·15
c	b	71	42	0
.	—	—	—	—
.	b	58	27	0·15
h	b	70	36	0
n	n	66	27	0
e	c	7[illegible]	51	0·03
ia	b	65	56	0
li	b	64	39	0·75
..	g	73	49	0·20
..	n	—	37	0
k	b	64	37	0·73
..	m	68	33	0
e.	b	62	41	0
n	b	67	43	0·14
B.	c	78	51	0·28
58				
lg	n	69	29	0·05
d.	b	—	45	0·10
l.	b	—	—	0·04
le	b	80	50	0·44
..	b	53	32	0
st.	n	57	28	0
..	b	60	31	0
ria	b	56	35	0
..	n	54	33	0
l'n	f	42	38	0
ns	f	63	41	0
..	b	61	31	0
..	b	64	47	0·02
'th	b	65	35	0
..	n	75	34	0
ng	b	67	46	0
a..	n	56	27	0
..	b	61	36	0

M ss V'l'n	n	—	—	0
Euston	b	65	39	0
G'lb'rn	b	56	27	0
Wagga.	f	67	33	0
C. Geo.	c	64	50	0·05

METEOROLOGY.

9 A.M. JUNE 7 1894.

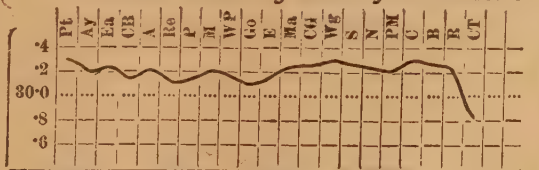
Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 25 years	.....	50·491
Average for 26 years from Jan. 1st to May 31	.....	26·376.
Total Rainfall from Jan. 1st to June 7	....	23·163.

Barometers corrected to 32° Fah and Mean Sea Level

0 30·51 R 47 *Curve showing state of Barometer.*



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.

47 30·22 F 0

CLOUDY GENERALLY

W 14 30·34 F 38

39 30·31 F—

35 29·92 F 0

TIME BALL
Drops at 1 p.m. S MT
or 2h. 55m. 9·198s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

Barometer has fallen about 0·05 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

	WD	M'X	MN	R'in
	—	—	—	—
	—	—	—	—
b		71	53	0
b		77	42	0
f		74	47	0
f		65	40	0
n		67	24	0
b		65	41	0
b		66	38	0
f		59	47	0
n		58	31	0
b		61	41	0
	—	—	—	—
	—	—	—	—
b		53	25	0
b		66	34	0
n		62	26	0
b		66	46	0
b		—	—	0
b		56	36	0
b		66	47	0
n		—	35	0
f		63	33	0
b		64	34	0
c		60	39	0
b		60	38	0
b		78	51	0
n		74	29	0
c			45	0
b		—	—	0
g		63	50	0
b		45	30	0
n		57	26	0
n		58	29	0
f		47	37	0
n		50	31	0
n		42	37	0
n		60	39	0
b		57	34	0
b		64	47	0
c		66	36	0
n		73	33	0
b		65	47	0
f		60	26	0
b		62	33	0

Stations.	WD	M	MN	R'in
Queanbey'n	n	51	34	0
Deniliquin	b	65	31	0
Moruya	b	59	42	0
Kiandra	n	42	17	0
Albury	n	59	32	0
Bodalla	b	64	32	0
Cooma	f	58	22	0
Eden	b	54	43	0
Mss V'l	n	49	35	0
Euston	b	68	32	0
G'lb'rn		55	25	0
Wagga	n	57	30	0
C. Geo.	b	59	51	0·03

METEOROLOGY.

JUNE 9 1888.

9 A.M.

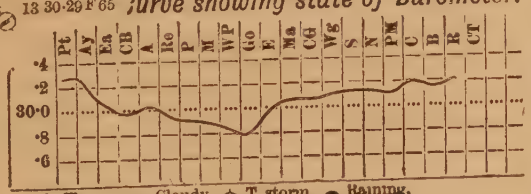
Sydney Observatory.

Lat. 33° 51′ 41″ S.; Long. 10h. 4m. 50·11s. E.

Average Annual Rainfall for 25 years ..... 50·491
Average for 26 years from Jan. 1st to May 31 ..... 26·376.
Total Rainfall from Jan. 1st to June 9 ..... 23·173.
Barometers corrected to 32° Fah and Mean Sea Level

AS 13 30·29 F 65

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.

47 30·16 F 0 B

CLOUDY GENERALLY

W 14 30·19 F 48

51 8 A 47 30·12F 28 D

41 30·01 R 0 A

13 55

53 13 Re

67 18 M P

53 34 CO

Ma 28 46

E 14 46

Go 8 48

WP 23 53

R 64

TIME BALL
Drops at 1 p.m. S MT
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

B 59

C 0 53

PM 14 49

N 14 50

S 8 47

We 14 53

CG 42 49

W E S

Barometer has fallen about 0·15 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

Station.			
Queanbeyan	u	42	
Deniliquin	u	64	
Moruya	g	63	40
Kiandra	n	51	19
Albury	u	52	39	0
Bodalla	b	66	30	0
Cooma	f	53	21	0
Eden	b	57	41	0

vt	m'x	mn	R'in
b	76	49	0
b	70	42	0
b	73	52	0
c	78	28	0
b	77	45	0
n	62	36	0
n	67	20	0
g	65	43	0
b	67	39	0
n	59	42	0
n	43	25	0
g	60	35	0
	—	—	—
	—	—	—
b	54	19	0
	—	—	—
n	65	44	0
b	66	43	0
g	58	52	0
b	56	35	0
b	67	42	0
n	—	36	0
n	59	33	0
c	67	26	0
b	66	47	0
b	60	37	0
b	75	43	0
n	70	23	0
b		36	0
b	—	—	0
b	64	45	0
n	59	27	0
n	58	24	0
n	55	30	0
b	52	38	0
n	50	31	0
b	41	37	0
n	62	39	0
b	52	30	0
b	60	45	0·01
u	70	42	0
n	75	32	0
b	67	42	0
n	63	37	0
c	64	32	0

M ss V'l	n	50	35	0
Euston	c	69	40	0
G'lb'rn		54	26	0
Wagga	b	60	26	0
C. Geo.		58	42	0

METEOROLOGY.

9 A.M. JUNE 10 1884.

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long.* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 25 years	.....50·491
Average for 26 years from Jan. 1st to May 31	.....26·376.
Total Rainfall from Jan. 1st to June 10	....23·175.
Barometers corrected to 32° Fah and Mean Sea Level	

8 30·13 R 60 *Curve showing state of Barometer.*

Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.

Stations.	WT	M		R'in
Qeaunbey'n	g	42	34	0
Deniliquin	d	64	44	0
Moruya	g	54	45	0
Kiandra	n	41	30	0
Albury	o	56	41	0
Bodalla	g	66	35	0
Cooma	n	53	29	0
Eden	r	56	45	0·01

TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

CLOUDY GENERALLY

W 28 29·88 F 52

53 30·09 F 28 D

46 29·88 F 0 A

Barometer has fallen about 0·10 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. JUNE 11 1884.

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

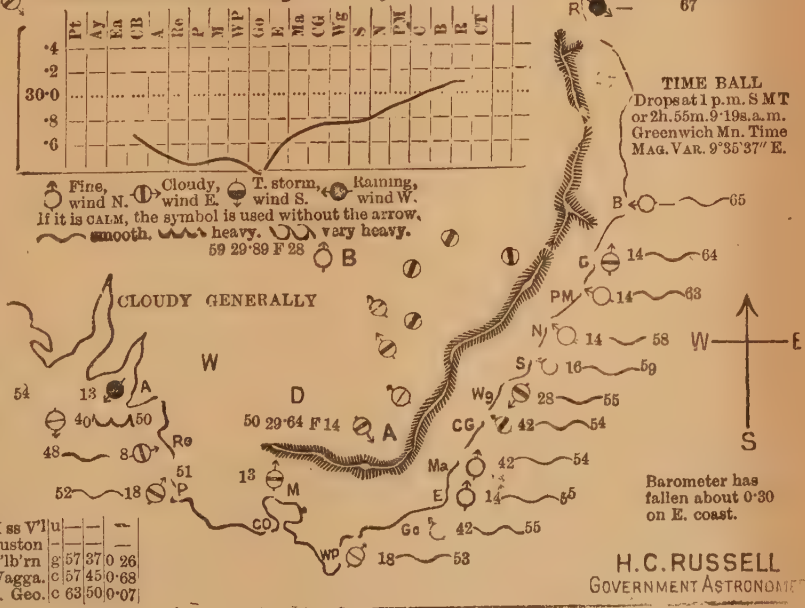
Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to May 31.....26·376.
Total Rainfall from Jan. 1st to June 11 ....23·226.
Barometers corrected to 32° Fah and Mean Sea Level

8 30·42 R 49 *Curve showing state of Barometer.*

Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.

59 29·89 F 28

Stations.	WT	M.	[illegible]	R'in
Qeaunbey'n	g	49	36	0·54
Deniliquin.	—	—	—	—
Moruya....	b	67	49	0·34
Kiandra...	r	45	27	1·04
Albury	u	55	46	1·40
Bodalla....	f	67	38	0·20
Cooma	c	55	39	0·11
Eden.....	b	58	45	0·20



Barometer has fallen about 0·30 on E. coast.

M'x	Mn	R'in
—	—	—
64	42	0·44
76	57	0
77	57	0·38
76	46	0·15
62	46	0·76
—	—	—
70	49	0·49
74	42	0·88
60	46	0·46
—	—	—
64	45	0·24
—	—	1·00
—	—	—
—	—	—
71	39	0·32
69	39	1·14
66	45	0
—	—	0·10
61	42	0·90
67	50	0
—	37	0·55
60	39	0·32
70	47	0·70
—	—	—
55	37	0·16
79	56	0
63	31	0·30
·	41	0 05
—	—	0·79
64	47	0·08
52	35	0·83
52	30	0·56
53	34	0·75
56	45	0·12
54	40	0·52
50	43	0·50
60	46	0·71
54	37	0·30
65	3[illegible]	0·05
64	4[illegible]	—
58	30	0·49
66	3[illegible]	0·11
—	[illegible]5	0·60

M ss V'l	u	—	—	—
Euston	—	—	—	—
G'lb'rn	g	57	37	0 26
Wagga.	c	57	45	0·68
C. Geo.	c	63	50	0·07

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

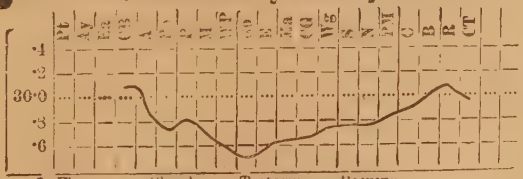
9 A.M. JUNE 12 [illegible]

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to May 31 .....26·376.
Total Rainfall from Jan. 1st to June 12 ....23·226.
Barometers corrected to 32° Fah and Mean Sea Level

0 30·39 R 46 *Curve showing state of Barometer.*



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.

Stations.	WT	M.	MN	R'in
Qeaunbey'n	u	53	41	0·60
Deniliquin.	u	55	42	0·15
Moruya....	c	66	49	0
Kiandra...	b	38	28	0·11
Albury	u	53	41	0·66
Bodalla....	b	65	33	0
Cooma	n	59	29	0·03
Eden.....	b	63	47	0

WT	M'x	MN	R'in
b	78	54	0
c	63	45	0
g	76	56	0
	70	42	0
	76	48	0
	60	41	0·32
	67	25	0
	65	46	0
	65	34	0
	61	50	0
	47	39	0
	62	44	0
	—	—	—
	—	—	—
	58	34	0·01
	65	44	0
	59	40	0
	73	47	0
	—	—	0
	58	46	0·07
	75	53	0
	—	38	0
	65	42	0
	59	47	0
	—	—	—
	64	41	0
	72	52	0
	58	32	0·02
		48	0
	—	-	0·23
	69	53	0
	48	37	0·53
	52	40	0·17
	60	33	0·18
	50	38	0·07
	51	43	0·45
	58	45	0·08
	56	49	0·18
	59	39	0
	64	53	0
	53	49	0·12
	60	41	0·46
	72	43	0
	54	32	0·40
	55	41	0·25

M cs V'l	u	55	41	0 02
Euston	c	52	46	0·14
G'lb'rn	p	55	36	0·16
Wagga.	u	58	41	1·05
C. Geo.	c	64	46	0

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

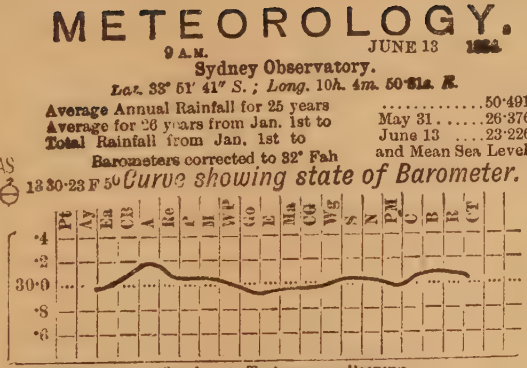
9 A.M. JUNE 13 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to May 31 .....26·376.
Total Rainfall from Jan. 1st to June 13 .....23·226.
Barometers corrected to 32° Fah and Mean Sea Level

AS 13 30·23 F 50 *Curve showing state of Barometer.*



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.

50 30·06 B

CLOUDY GENERALLY

W 28 30·18 RGO

47 30·17 R 0 D

46 29·94 R 0 A

TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

Barometer has risen about 0·30 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

Stations.	WT	M.	R	in
Queanbeyan	f	49	36	0
Deniliquin	u	52	44	0
Moruya	b	66	37	0
Kiandra	n	41	17	0
Albury	u	50	42	0
Bodalla	b	69	40	0
Cooma	c	58	35	0
Eden	u	59	47	0·17

	72	48		0
	66	42		0
	69	53		0
	63	47		0
	71	44		0
	50	40		0
	67	31		0
	66	49		0
	59	41		0
	52	49		0
	45	35		0
	52	47		0
	—	—		—
	—	—		—
	48	40		0
	52	45		0
	49	42		0·02
	67	45		0
	—	—		0
	49	46		0
	66	55		0
	—	36		0
	62	41		0
	57	46		0·53
	60	49		0
	57	41		0
	62	52		0
	53	27		0·08
		48		0
	—	—		0·10
	60	50		0
	46	37		0·35
	49	37		0·04
	51	40		0
	40	39		0
	47	43		0·18
	50	45		0·01
	58	48		0
	59	36		0
	61	49		0
	50	44		0·09
	55	41		0·10
	59	45		0
	46	32		0·20
	55	43		0

M ss V'l		—	—	—
Euston	u	61	43	0
G'lb'rn	u	54	37	0·11
Wagga.	g	49	40	0
C. Geo.	c	62	46	0

METEOROLOGY.

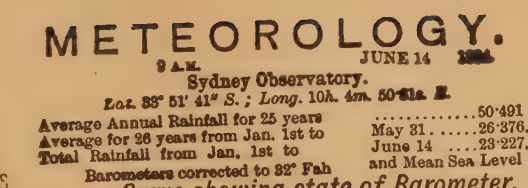
9 A.M. JUNE 14 1884

Sydney Observatory.

Lat. 33° 51′ 41″ S.; Long. 10h. 4m. 50·61s. E.

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to May 31 .....26·376.
Total Rainfall from Jan. 1st to June 14 ....23·227.
Barometers corrected to 32° Fah and Mean Sea Level

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.

Stations.	WT	M.		Rain
Queanbey'n	n	48	38	0
Deniliquin	u	58	44	0
Moruya....	b	63	43	0·02
Kiandra...	n	50	27	1·14
Albury	o	59	43	0
Bodalla....	b	66	35	0
Cooma	c	60	35	0·03
Eden.....	u	57	46	0·04

TIME BALL
Drops at 1 p.m. S MT
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

CLOUDY GENERALLY

W 0 30·21 R 49

49 30·07 R 0 B

44 30·02 R 0 A

46 30·10 R 14 D

Barometer has risen about 0·20 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. JUNE 16 1884

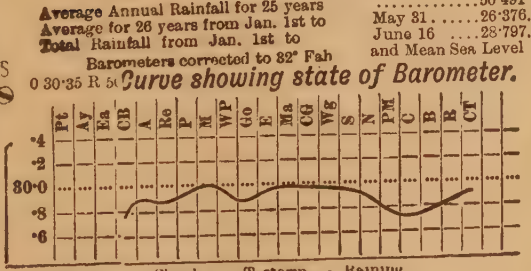
Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·21*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to May 31 .....26·376.
Total Rainfall from Jan. 1st to June 16 ....28·797.
Barometers corrected to 32° Fah and Mean Sea Level

0 30·35 R 50

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.

53 30·09 F 0

CLOUDY GENERALLY

W 14 30·11 F48

47 30·07 F 0 D

14 29·90 F 46

Stations.	WTHR.		RAIN.
Queanbey'n	u	50	0·65
Deniliquin	u	62	0·35
Moruya	u	60	0·22
Kiandra	s	39	0·33
Albury	o	58	0·28
Bodalla	u	65	0·58
Cooma	c	50	0·30
Eden	u	57	0·69

TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

Barometer has fallen about 0·20 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

M'x	Mn	R'in			
58	36	1·93			
66	50	0·55			
58	47	0·69			
63	42	0			
59	34	1·59			
66	30	0·85			
62	47	0·48			
57	35	0·86			
65	44	0·73			
45	36	0·80			
56	49	0·68			
—	—	0·60			
—	—	—			
49	39	0·80			
53	46	0·24			
52	44	0·51			
62	47	0·11			
—	—	0·40			
53	43	1·15			
61	51	1·75			
—	43	0·63			
61	48	0·77			
55	47	0·80			
57	49	0·29			
56	49	1·11			
61	51	1·36			
59	34	0·41			
—	50	1·15			
—	—	0·75			
61	52	1·72			
48	40	0·05			
54	31	0·60			
50	38	0·59			
50	42	0·64			
50	39	0·90			
50	44	0·93			
59	49	0·65			
54	49	2·31			
58	51	5·57			
57	45	0·03	M ss V'l	r	48 45 2·00
60	45	0·89	Euston	c	54 42 0
69	49	3·58	G'lb'rn	u	51 46 1·37
56	30	1·94	Wagga.	u	57 43 0·57
56	41	0·27	C. Geo.	c	66 52 1·55

METEOROLOGY.

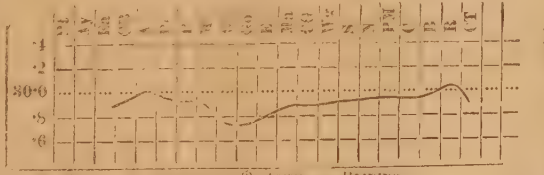
9 A.M. JUNE 17 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 25 years ..... 50·101
Average for 26 years from Jan. 1st to May 31. ..... 26·276.
Total Rainfall from Jan. 1st to June 17 ..... 28·967.
Barometers corrected to 32° Fah and Mean Sea Level

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. Thunderstorm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.

Stations.			
Qeaunbey'n	b	54	48 0
Deniliquin	u	55	42 0·20
Moruya	u	60	48 0
Kiandra	–	–	–
Albury	d	52	47 0·16
Bodalla	c	62	42 0·01
Cooma	c	56	35 0
Eden	c	59	48 0·03

TIME BALL
Drops at 1 p.m. S MT
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

CLOUDY GENERALLY

Barometer has fallen about 0·10 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. JUNE 18 1884.

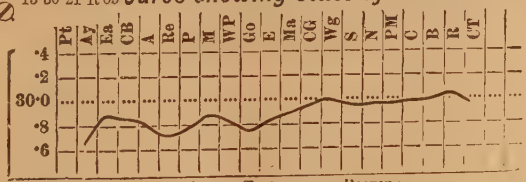
Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to May 31.....26·376.
Total Rainfall from Jan. 1st to June 18 ....28·957.
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	WT.	M.		R
Qeaunbey'n	n	54	35	0
Deniliquin	b	65	42	0
Moruya....	b	65	42	0
Kiandra...	f	40	28	0
Albury	f	56	42	0
Bodalla....	b	62	30	0
Cooma	f	60	27	0
Eden.....	c	60	47	0

13 30·21 R 65 *Curve showing state of Barometer.*



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.

53 30·05 F 14 B

CLOUDY GENERALLY

W 14 30·01 F 49

46 30·09 F 0 D

47 29·81 F 0 A

TIME BALL
Drops at 1 p.m. S M T or 2h. 55m. 9·19s. a.m. Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

Barometer has risen about 0·10 on E. coast.

M ss V'l	n	—	—	0
Euston	b	70	42	0
G'lb'rn	g	52	36	0
Wagga.	u	56	42	0·03
C. Geo.		62	44	0

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

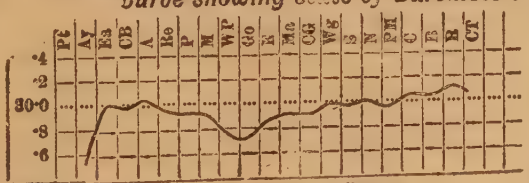
9 A.M. JUNE 19 1886

Sydney Observatory.

Lat. 33° 51′ 41″ S.; *Long.* 10*h.* 4*m.* 50·81*s.* E.

Average Annual Rainfall for 25 years ..... 50·491
Average for 26 years from Jan. 1st to May 31 ..... 26·376.
Total Rainfall from Jan. 1st to June 19 ..... 28·957.
Barometer corrected to 32° Fah and Mean Sea Level

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
Smooth. heavy. very heavy.

Stations.				
Queanbeyan	u	51	36	0
Deniliquin	b	61	44	0·35
Moruya	b	65	41	0
Kiandra	g	40	28	0·37
Albury	u	55	47	0·40
Bodalla	b	66	31	0
Cooma	n	60	25	0
Eden	b	60	44	0

TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

CLOUDY GENERALLY

Barometer has risen about 0·20 on S. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

70	43		0	
62	37		0	
73	48		0	
62	47		0	
75	46		0	
49	41		0	
67	27		0	
65	52		0	
60	40		0	
62	48		0	
52	38		0	
58	46		0	
—	—		—	
—	—		—	
47	36		0	
58	38		0	
59	41		0·01	
63	41		0	
—	—		0·10	
53	42		0	
64	41		0	
—	41		0	
63	40		0	
60	46		0·10	
62	50		0·25	
57	48		0	
77	45		0	
66	38		0·01	
	40		0	
—	—		0·05	
64	46		0	
48	39		0·29	
52	36		0	
50	35		0·21	
50	41		0	
48	41		0·15	
52	44		0·10	
59	51		0·40	
57	34		0	
59	44		0	
68	43		0·21	M ss V'l
55	44		0·26	Euston
66	43		0	G'lb'rn
54	32		0	Wagga.
64	46		0·21	C. Geo.

r	51	38	0	
b	67	40	0	
u	53	34	0	
d	54	44	0·42	
b	63	45	0	

METEOROLOGY.

9 A.M. JUNE 20 [illegible]

Sydney Observatory.

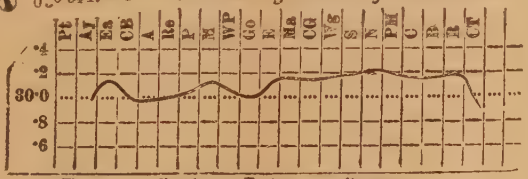
Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to May 31.....26·376.
Total Rainfall from Jan. 1st to June 20 ....29·026.
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	WT	M	[illegible]	R
Jeanbey'n	f	50	46	0
Deniliquin	b	62	36	0
Moruya....	c	[illegible]	44	0
Kiandra...	n	4[illegible]	22	0·09
Albury....	u	5[illegible]	44	0
Bodalla....	b	64	37	0
Cooma	c	49	38	0
Eden.....	c	57	50	0

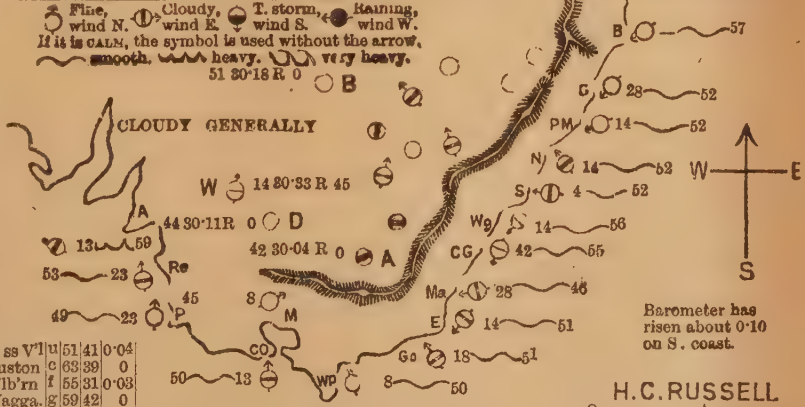
57

AS 0 30·34 R 66 *Curve showing state of Barometer.*



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.

51 30·18 R 0



Barometer has risen about 0·10 on S. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

72	42	0			
53	41	0			
70	50	0			
67	46	0			
74	46	0			
51	40	0·04			
66	24	0			
65	46	0			
64	39	0			
63	47	0·20			
47	39	0·09			
—	—	—			
—	—	—			
—	—	—			
50	32	0·09			
54	39	0·04			
54	27	0·01			
63	47	0·15			
62	55	0			
51	39	0·06			
65	47	0·20			
—	50	0			
62	41	0			
60	35	0·08			
63	47	0			
68	48	0			
65	53	0			
57	29	0·07			
—	49	0·09			
—	—	0·10			
59	50	0			
49	37	0·16			
52	41	0·07			
51	34	0·04			
50	42	0			
50	45	0·24			
50	44	0			
59	53	0·01			
53	49	0·01			
57	47	0·07			
52	41	0	M ss V'l	u	51 41 0·04
60	46	0·06	Euston	c	63 39 0
62	47	0·03	G'lb'rn	f	55 31 0·03
51	42	0	Wagga.	g	59 42 0
52	41	0	C. Geo.	u	61 52 0

METEOROLOGY.

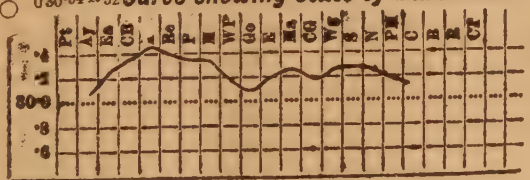
9 A.M. JUNE 21 1884.

Sydney Observatory.

Lat. 33° 51′ 41″ S.; *Long.* 10h. 4m. 50·81s. E.

Average Annual Rainfall for 25 years ..... 50·491
Average for 26 years from Jan. 1st to May 31 ..... 26·376.
Total Rainfall from Jan. 1st to June 21 ..... 29·091.
Barometers corrected to 32° Fah and Mean Sea Level

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.

49 30·31 R 0

CLOUDY GENERALLY

W 14 30·46 R 47

44 30·38 R 14

14 30·11 R 49

8 50 18 56 46 0 45 13 47 8 52 13 23 52 14 48 23 51 28 49 42 54 8 51 14 53 28 51 PM 14 52 C 28 51

TIME BALL
Drops at 1 p.m. S M T or 2h. 55m. 9·19s. a.m. Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

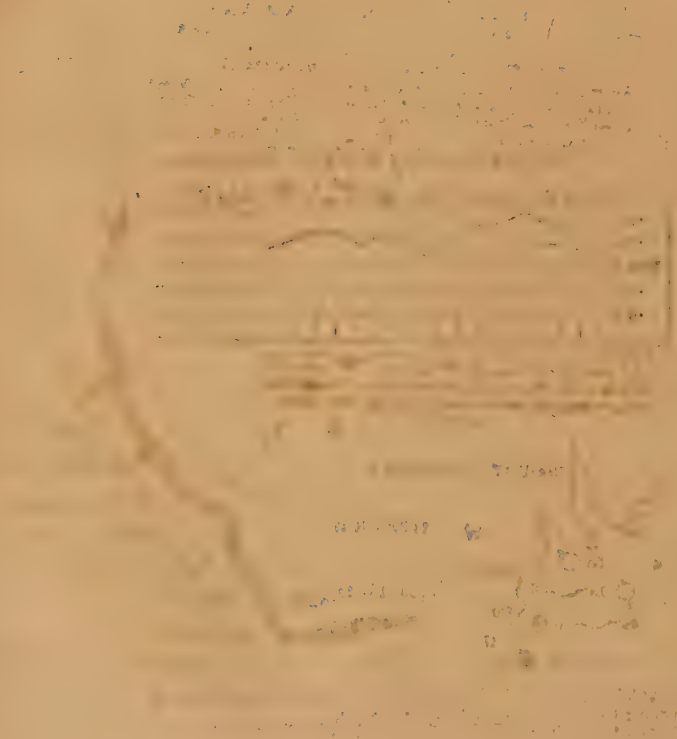
Barometer has risen about 0·1F on S. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

Stations.	W'ther	Max.	Min.	Rain
Queanbeyan	f	48	36	0
Deniliquin	b	63	40	0
Moruya	b	65	42	0
Kiandra	g	47	22	0
Albury	b	60	47	0
Bodalla	b	67	32	0
Cooma	n	62	25	0
Eden	c	59	46	0

T	Max	Min	Rain
—	—	—	—
—	—	—	—
71	50		0
70	41		0
70	45		0
—	—	—	—
66	20		0
63	43		0
62	36		0
62	46		0
58	32		—
65	40		—
—	—	—	—
—	—	—	0
56	30		0
54	36		0
62	29		0
65	48		0
—	—	—	0
54	38		0
65	47		0
—	42		0
63	37		0
60	32		0
62	46		0
60	46		0
75	44		0
—	—	—	—
65	29		0
—	44		0
—	—	—	0
62	48		0
51	35		0
61	34		0
50	33		0
50	36		0
59	41		0
44	25		0
59	42		0
—	—	—	—
60	48		0·07
65	44		0
73	35		0
68	47		0
51	32		0
—	—	—	—

Mss V'l'n	b	52	37	0·01
Euston	f	65	41	0
G'lb'rn	b	60	32	0
Wagga	g	61	35	0
C. Geo.	b	57	43	0·98



METEOROLOGY.

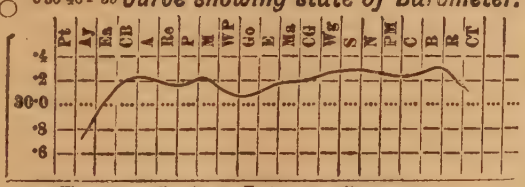
9 A.M. JUNE 23 [illegible]

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·31*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to May 31.....26·376.
Total Rainfall from Jan. 1st to June 23 ....29·094.
Barometers corrected to 32° Fab and Mean Sea Level

0 30·40 F 55 ***Curve showing state of Barometer.***

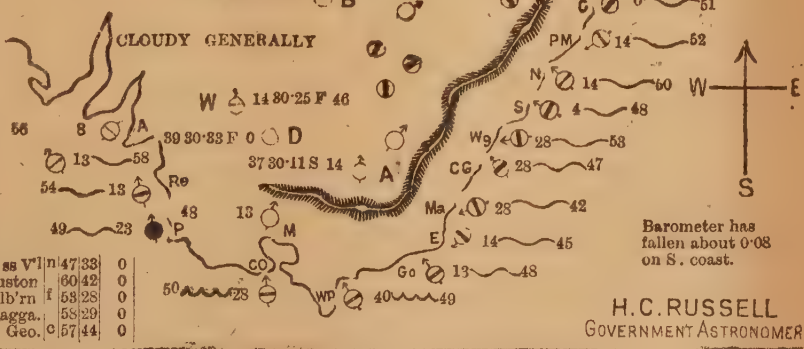


Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.

Stations.	WT	M	[illegible]	R
Qeaunbey'n	n	49	32	0
Deniliquin.	b	61	32	0
Moruya....	g	59	39	0
Kiandra...	n	48	14	0
Albury	n	59	44	0
Bodalla....	n	64	28	0
Cooma	n	55	25	0
Eden.....	c	57	43	0

M'x	m	R'in
71	44	0
62	29	0
70	[illegible]	0
69	[illegible]	0
74	[illegible]	0
62	36	0
61	21	0
64	42	0
57	34	0
59	42	0
46	31	0
53	37	0
—	—	—
—	—	—
55	30	0
58	34	0
62	29	0
65	48	0
—	—	0
52	33	0
—	—	—
—	38	0
63	33	0
64	37	0
58	47	0
60	40	0
78	58	0
70	27	0
—	4[illegible]	0
—	—	0
61	49	0·01
48	35	0
55	31	0
49	38	0
48	38	0
50	36	0
45	38	0
59	43	0
54	30	0
58	46	0
60	42	0
69	35	0
63	41	0
61	20	0
61	36	0

M ss V'l	n	47	33	0
Euston	f	60	42	0
G'lb'rn		53	28	0
Wagga.		58	29	0
C. Geo.	c	57	44	0



Barometer has fallen about 0·08 on S. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

JUNE 24 [illegible]

9 A.M.

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·[illegible]*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to May 31.....26·376.
Total Rainfall from Jan. 1st to June 24 ....29·095.
Barometers corrected to 32° Fah and Mean Sea Level

8 30·22 F 56 *Curve showing state of Barometer.*

Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.

46 30·23 S 0

Stations.		WT. M.		
Qeaunbey'n	n	49	31	0
Deniliquin.	b	63	38	0
Moruya....	b	60	39	0
Kiandra...	n	43	18	0
Albury	n	56	33	0
Bodalla....	n	66	29	0
Cooma	n	58	22	0
Eden.....	—	—	—	—

59

TIME BALL
Drops at 1 p.m. S M T or 2h.55m.9·19s.a m. Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

CLOUDY GENERALLY

W 14 30·33 R 43

40 30·35 R 14

33 30·11 R 0

Barometer has risen about 0·08 on E coast.

M ss V'l.n	[illegible]	51	0
Euston		72 41	0
G'lb'rn	b	50 25	0
Wagga.	n	59 26	0
C. Geo.	b	59 42	0

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. JUNE 25 1894.

Sydney Observatory.

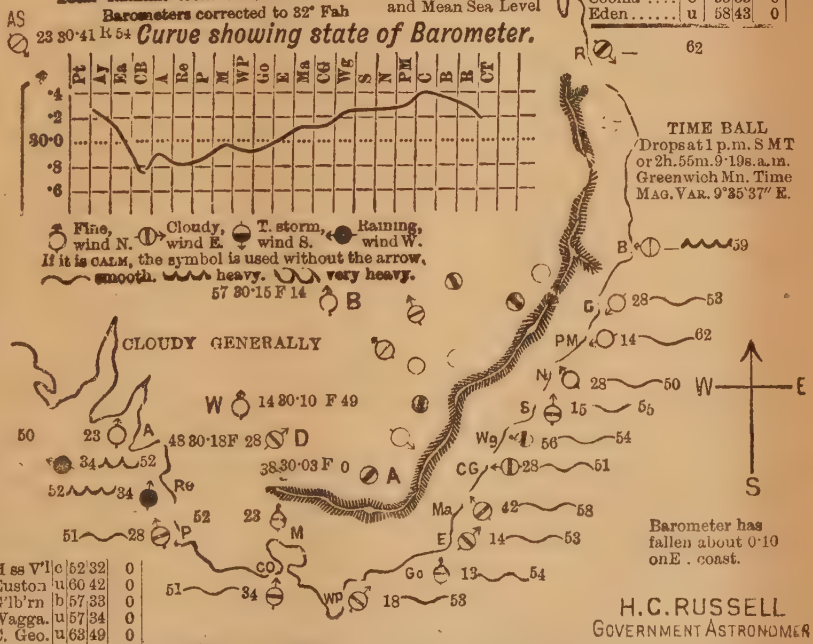
Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to May 31.....26·376.
Total Rainfall from Jan. 1st to June 25 ....29·096.
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	WT	M.	MIR	
Qeaunbey'n	n	53	34	0
Deniliquin.	u	63	36	0
Moruya....	g	64	49	0
Kiandra...	n	52	26	0
Albury	u	54	34	0
Bodalla....	g	66	34	0
Cooma	c	53	35	0
Eden.....	u	58	43	0

M'x	Mn	R'in
72	42	0
61	32	0
72	50	0
71	45	0
71	48	0
63	39	0
58	25	0
64	47	0
65	35	0
65	44	0
55	30	0
52	39	0
—	—	—
—	—	—
56	27	0
64	33	0
62	29	0
64	49	0
—	—	0
54	38	0
64	41	0
—	34	0
62	32	0
65	35	0
59	46	0
58	35	0
78	44	0
71	28	0
	39	0
—	—	0
59	45	0
48	32	0
57	27	0
49	31	0
46	40	0
52	39	0
50	39	0
58	38	0
56	34	0
59	45	0
61	41	0·04
71	31	0
69	46	0
62	25	0
62	36	0

M ss V'l	c	52	32	0
Euston	u	60	42	0
G'lb'rn	b	57	33	0
Wagga.	u	57	34	0
C. Geo.	u	63	49	0



METEOROLOGY.

9 A.M. JUNE 26 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to May 31. .....26·376.
Total Rainfall from Jan. 1st to June 26 ....29·096.
Barometers corrected to 32° Fah and Mean Sea Level

AS 13 30·54 R 48 *Curve showing state of Barometer.*

Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
~ smooth. ~~ heavy. ~~~ very heavy.

55 30·03 F 28 B

CLOUDY GENERALLY

W 42 30·01 F 48

44 29·88 F 28 D

49 29·78 F 0 A

53 13 A 40 50 Re 51 23 51 13 49 34 P M CG 48 18 WP 18 51 Go 23 55 Ma 42 57 E 14 57 Wg 14 59 CG 42 59 S 16 63 N 28 62 PM 23 63 C 28 60 B 63 R 65

TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

W — E
S

Barometer has fallen about 0·30 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

Stations.	WTHR.	MAX.	MIN.	RAIN.
Queanbey'n	r	54	36	0·68
Deniliquin	c	54	40	0·12
Moruya	r	66	55	0
Kiandra	r	39	32	1·54
Albury	u	54	38	0·30
Bodalla	c	63	37	0·05
Cooma	c	59	39	0·09
Eden	u	57	49	0

	MAX	MIN	RAIN
	70	50	0
	62	35	0
	73	57	0
	68	49	0
	—	—	—
	57	48	0·05
	62	38	0
	74	57	0·46
	67	36	0
	65	46	0
	54	38	0·08
	63	45	0
	—	—	—
	—	—	—
	54	45	0·08
	62	35	0
	66	50	0·62
	70	52	0
	—	—	0
	61	53	0
	65	48	0
	—	39	0
	70	35	0
	69	49	0·55
	64	48	0·04
	64	41	0
	74	58	0
	68	39	0·20
	—	41	0
	—	—	0·43
	68	49	0
	53	40	0·61
	59	36	0·38
	58	38	0·72
	56	51	0
	55	46	0·53
	54	47	0
	61	45	0·69
	58	38	0
	66	55	0
M'ss V'l'y	r	64	43	0	58	46	0·13
Euston	b	59	38	0·77	67	41	0
G'lb'rn	u	67	50	0	61	39	0·31
Wagga	r	61	40	0·30	59	43	0·42
C. Geo.	r	56	42	0	63	59	0

METEOROLOGY.

9 A.M. JUNE 27 1884

Sydney Observatory.

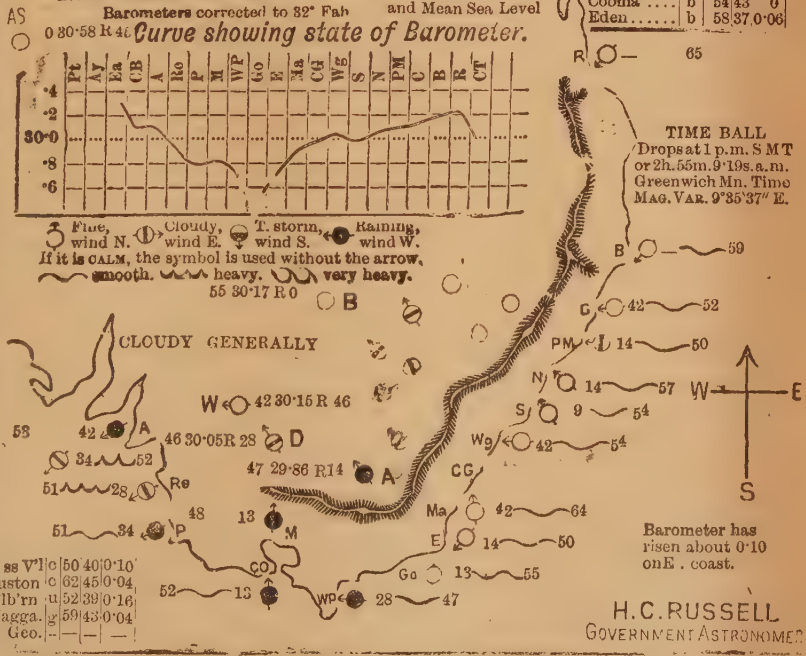
Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to May 31.....26·376.
Total Rainfall from Jan. 1st to June 27 ....29·266.
Barometers corrected to 32° Fah and Mean Sea Level

wt	M'x	Mn	R in
—	—	—	—
—	—	—	—
b	75	50	0·08
b	62	39	0·53
b	76	44	0·10
b	57	43	0·61
b	61	42	0·56
b	64	53	0
u	63	78	0·63
	65	48	0·41
	49	43	0·63
	62	43	0·67
	—	—	0·75
	—	—	—
	74	35	0·32
	63	46	0
	57	39	0·43
	70	47	0·05
	—	—	0
	60	47	0·90
	65	51	0
	—	44	0·67
	6[illegible]	46	0·32
	[illegible]	46	0·23
	62	46	0
	6[illegible]	31	0·26
	77	53	0·12
	56	39	0·57
	—	48	0·10
	—	—	0·88
	66	51	0·07
	49	39	0·90
	50	42	0·42
	60	43	0·24
	55	38	0·36
	50	44	0·48
	49	44	0·05
	—	—	—
	—	—	—
	64	52	0·17
	62	44	0·02 M ss V'l
	67	48	0·42 Euston
	65	47	0 G'lb'rn
	56	32	0·78 Wagga.
	57	41	0·05 C. Geo.

c	50	40	0·10
c	62	45	0·04
u	52	39	0·16
g	59	43	0·04
—	—	—	—

Stations.	WT.	M.	[illegible]	
Qeaunbey'n	g	51	42	0·07
Deniliquin.	u	58	41	0
Moruya,...	b	63	50	0·01
Kiandra...	s	40	28	0·34
Albury ...	d	60	47	0·17
Bodalla....	b	58	31	0·05
Cooma	b	54	43	0
Eden.....	b	58	37	0·06



METEOROLOGY.

9 A.M. JUNE 28 [illegible]

Sydney Observatory.

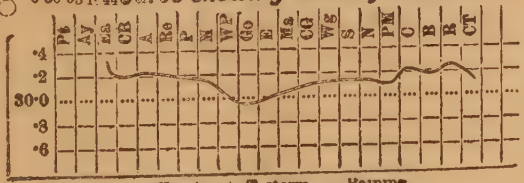
Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·[illegible] *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to May 31.....26·376.
Total Rainfall from Jan. 1st to June 28 ....29·266.
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	WT	M.X	MIN	R'n.
Qeaunbey'n	c	51	38	0
Deniliquin.	f	57	39	0
Moruya....	b	65	39	0
Kiandra...	s	41	28	0
Albury	u	51	43	0·08
Bodalla....	b	67	30	0
Cooma	c	58	26	0
Eden.....	–	—	—	–

88

AS 0 30·53 R 44 *Curve showing state of Barometer.*



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.

52 30·24 R 0

CLOUDY GENERALLY

TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

B 23 56
G 14 52
PM 14 49
N 14 51
S 16 51
Wg 42 53
CG 42 49
Ma 28 46
E
Go 34 52
WP 28 50
CO
P
M
Re
A
D
W 14 30·33 R 39
44 30·29 R 14
45 30·02 R 23
51 13
23 53
51 0
48
8
50 13
50 18

W E S

Barometer has risen about 0·10 on E. coast.

M ss V'l	b	49	39	0·01
Euston	f	60	33	0
G'lb'rn	b	50	39	0
Wagga.	g	51	40	0·03
C. Geo.	b	61	46	0

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

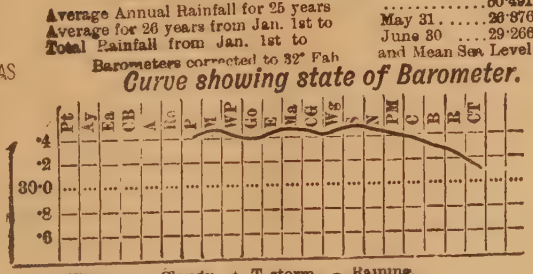
9 A.M. JUNE 30 1884.

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long.* 10*h.* 4*m.* 50·4*s.* E.

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to May 31 .....26·876.
Total Rainfall from Jan. 1st to June 30 ....29·266.
Barometers corrected to 32° Fah and Mean Sea Level

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.

Stations.	WT	M.	Min	R.
Queanbey'n	n	50	33	0
Deniliquin	b	54	31	0
Moruya	b	60	39	0
Kiandra	n	35	0	
Albury	f	53	33	0
Bodalla	b	65	27	0
Cooma	n	55	16	0
Eden	c	57	44	0

TIME BALL
Drops at 1 p.m. S MT
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

CLOUDY GENERALLY

W 14 30·51 R 41
36 30·52R 0 D
36 30·25 R 0 A
49 30·33 R 28 B

M ss V'l				
Euston	n	66	32	0
G'lb'rn	b	50	25	0
Wagga.	n	51	29	0
C. Geo.	b	58	47	0

Barometer has risen about 0·35 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. JULY 1 1884

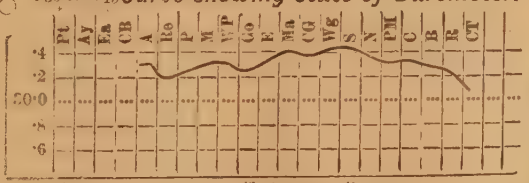
Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s. E*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to June 30 .....31·562.
Total Rainfall from Jan. 1st to July 1 ....29·426

Barometers corrected to 32° Fah and Mean Sea Level

0 30·52 R 45 *Curve showing state of Barometer.*



Flue, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.

Stations.	WT	M	m	R
Queanbeyan	c	48	33	0
Deniliquin	b	53	38	0
Moruya	c	58	39	0
Kiandra	n	38	0	0
Albury	n	56	33	0
Bodalla	n	66	28	0
Cooma	n	54	18	0
Eden	b	58	40	0

TIME BALL
Drops at 1 p.m. S.M.T
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

48 30·29 F 14 B

CLOUDY GENERALLY

W 14 30·42 F 38

38 30·46 F 14 D

34 30·21 F 0 A

M'ss V'l	f	48	34	0
Euston	b	61	31	0
G'lb'rn	f	56	29	0
Wagga.	n	58	29	0
C. Geo.	p	60	46	0·03

Barometer has fallen about 0·06 on S.. coast.

H.C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. JULY 2 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to June 30 .....31·562.
Total Rainfall from Jan. 1st to July 2 ....29·428.
Barometers corrected to 32° Fah and Mean Sea Level

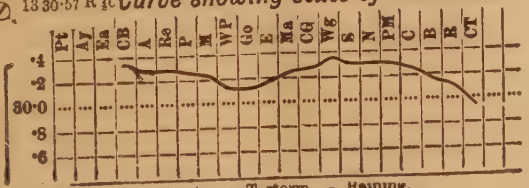
Stations.				
Qeanbey'n	f	50	36	0
Deniliquin.	f	60	32	0
Moruya....	c	63	41	0
Kiandra...	n	40	8	0
Albury	n	56	35	0
Bodalla....	b	66	29	0
Cooma	c	57	19	0
Eden.....	b	58	42	0

AS 13 30·57 R 40

Curve showing state of Barometer.

Pt Ay Ea CB A Re P M WP Go E Ma CG Wg S N PM C B R CT

·4 ·2 30·0 ·8 ·6



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.

If it is CALM, the symbol is used without the arrow.

smooth. heavy. very heavy.

50 30·16 F 0 B

CLOUDY GENERALLY

W 14 30·33 F 42

38 30·32 F 0 D

39 30·00 F 14 A

52 13 A 23 49 49 13 Re 48 13 P 51 13 M GO 48 18 WP 18 50 Go 13 45 E 14 46 Ma 28 4 CG 28 49 Wg 0 41 S 2 48 N 14 54 PM 14 55 C 28 52 B 59 R 63

TIME BALL
Drops at 1 p.m. S M T or 2h. 55m. 9·19s. a.m. Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

W E S

Barometer has fallen about 0·16 on E. coast.

M ss V'l	b	51	38	0·05
Euston	n	63	29	0
G'lb'rn	f	50	30	0
Wagga.	b	59	35	0·02
C. Geo.	c	63	43	0

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

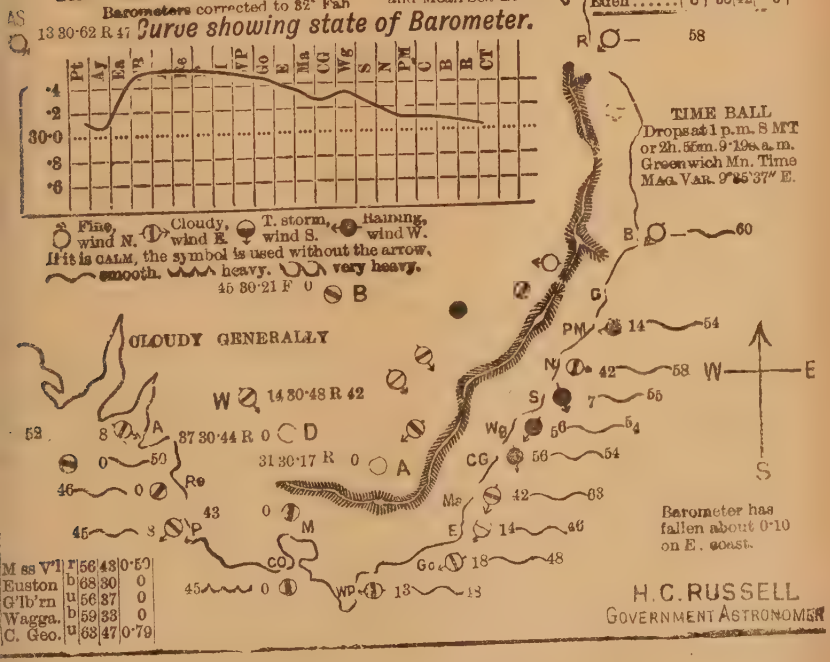
9 A.M. JULY 3 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to June 30 .....31·562.
Total Rainfall from Jan. 1st to July 3 ....30·993.
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	WT	M.	MD	R'H
Queanbey'n	c	54	37	0
Denfliquin.	n	63	32	0
Moruya....	c	62	44	0
Kiandra...	n	41	27	0
Albury	n	59	35	0
Bodalla....	g	68	36	0
Cooma	n	55	25	0
Eden.....	c	58	42	0



M ss V'l	r	56	43	0·50
Euston	b	68	30	0
G'lb'rn	u	56	37	0
Wagga.	b	59	33	0
C. Geo.	u	63	47	0·79

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

JULY 4 1884

9 A.M.

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long.* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to June 30 .....31·562.
Total Rainfall from Jan. 1st to July 4 ....31·495.
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	WTM,		
Qeaunbey'n	c	52 40	0
Deniliquin	b	63 33	0
Moruya....	p	58 50	0·65
Kiandra...	d	37 27	1·39
Albury	b	60 35	0
Bodalla....	b	58 42	2·22
Cooma	c	48 40	0·04
Eden.....	p	56 44	0

Curve showing state of Barometer.

Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.

TIME BALL
Drops at 1 p.m. S MT
or 2h.55m.9·19s.a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

50 30·18 F 42 B

CLOUDY GENERALLY

W 0 30·54 R 37

41 30·46 R14 D

43 30·14 F 0 A

49 0 M

M ss V'l	r	51	45	2·21
Euston	b	63	35	0
G'lb'rn	p	56	43	0·46
Wagga.	b	62	36	0
C. Geo.	p	62	53	1·10

B 3 54
G 28 49
PM 14 54
N 3 54
S 32 62
Wg 56 62
CG 56 58
Ma 18 53
E 14 53
Go 18 52
WP 18 51
P 18 50
Re 18 50
46 0
50 3
51 18
55 A

W — E
S

Barometer has risen about 0·14 on S.E. coast.

H.C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. JULY 5 1884

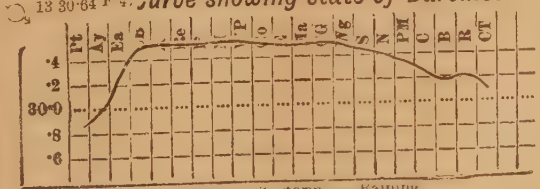
Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *R.*

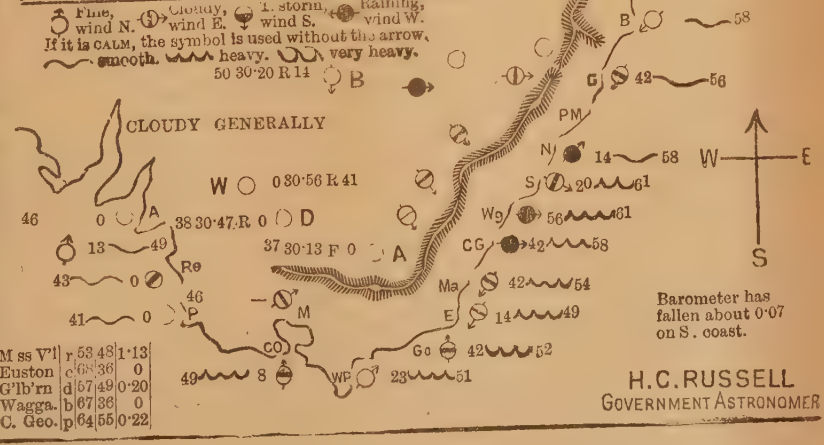
Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to June 30 .....31·562.
Total Rainfall from Jan. 1st to July 5 ....32·352.
Barometers corrected to 32° Fah and Mean Sea Level

Stations.				
Qeaunbey'n	u	56	46	0
Deniliquin.	n	63	31	0
Moruya....	g	63	49	0·05
Kiandra...	d	41	25	0·67
Albury	b	68	35	0
Bodalla....	g	65	41	0·03
Cooma	c	59	28	0
Eden.....	u	61	43	0·04

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.



Barometer has fallen about 0·07 on S. coast.

M ss V'l	r	53	48	1·13
Euston	c	68	36	0
G'lb'rn	d	57	49	0·20
Wagga.	b	67	36	0
C. Geo.	p	64	55	0·22

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. JULY 7 1924

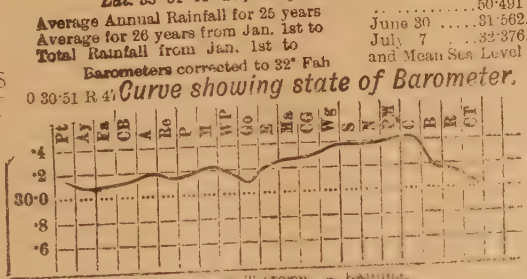
Sydney Observatory.

Lat. 33° 51′ 41″ S.; *Long.* 10*h.* 4*m.* 50·81*s.* E.

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to June 30 .....31·562.
Total Rainfall from Jan. 1st to July 7 .....32·376.
Barometers corrected to 32° Fah and Mean Sea Level

Stations.				
Queanbey'n	f	64	50	0
Deniliquin	b	69	29	0
Moruya	b	68	41	0
Kiandra	n	51	15	0
Albury	n	62	33	0
Bodalla	b	69	36	0
Cooma	n	62	23	0
Eden	f	58	44	0

0 30·51 R 47 *Curve showing state of Barometer.*



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
If it is smooth. heavy. very heavy.

TIME BALL
Drops at 1 p.m. S M T
or 2h.55m.9·19s.a.m.
Greenwich Mn. Time
MAG. VAR. 9 35′37″ E.

68 30·21 R 0

CLOUDY GENERALLY

W 28 30·35 F37

33 30·31 R 0

35 30·04 F 14

Barometer has fallen about 0·07 on S. coast.

Mss V'l	b	55	43	0
Euston	b	72	30	0
G'lb'rn	b	64	33	0·20
Wagga	b	67	30	0
C. Geo.	b	64	50	0

H.C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. JULY 8 1886

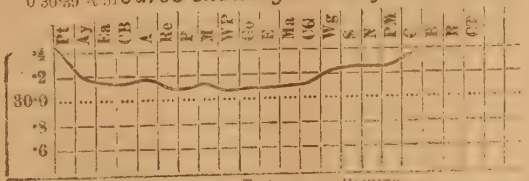
Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to June 30 .....31·502
Total Rainfall from Jan. 1st to July 8 .....32·386
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	W.M.			
Cooumbeyn'a	g	49	38	0
[illegible]	c	[illegible]	31	0
Moruya	g	59	45	0
Kandra..	f	53	34	0
Albury	g	61	36	0
Bodalla ...	c	68	38	0
Cooma	g	62	35	0
Eden	c	58	44	0

0 30·39 R 51 *Curve showing state of Barometer.*



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.

60 30·20 F 0 B

CLOUDY GENERALLY

W 14 30·40 F 13

54 13 A 47 30·22 R14 D

18 56 Re

53 13 54 13 M

53 0 P

CO

51 18 WP 23 54

60 13 54

5 0 60

14 58

14 60

49

S

M ss V'l	g	58	45	0·03
Euston	c	70	36	0
G'lb'rn	b	64	37	0
Wagga.	c	63	38	0
C. Geo.	g	64	52	0

H. C. RUSSELL
Government Astronomer

METEOROLOGY.

9 A.M. JULY 9 1884

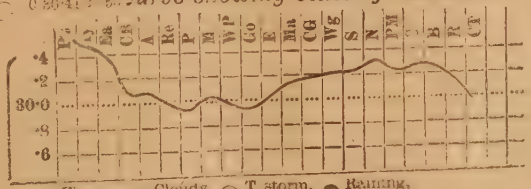
Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

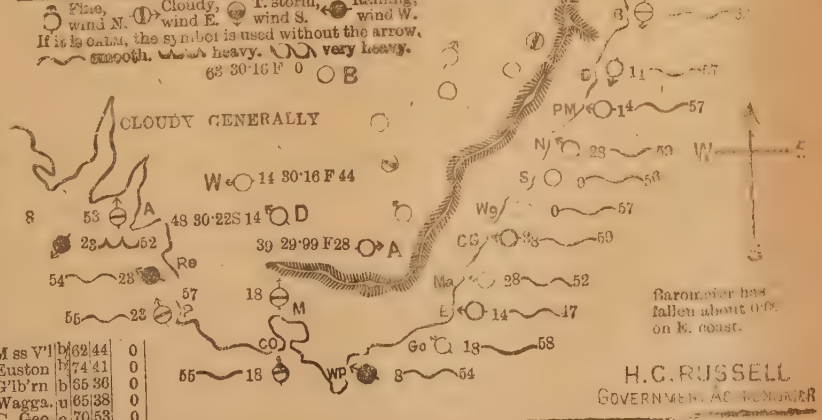
Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to June 30 .....31·562.
Total Rainfall from Jan. 1st to July 9 .....32·396.
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	WT	M		
Qeaunbey'n	b	[illegible]	[illegible]	0
Deniliquin	b	70	40	0
Moruya	b	64	47	0
Kiandra	f	52	35	0
Albury	f	63	37	0
Bodalla	b	69	35	0
Cooma	n	64	25	0
Eden	b	62	45	0

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.



40	0	M ss V'l	b	62	44	0
43	0	Euston	b	74	41	0
49	0	G'lb'rn	b	65	36	0
40	0	Wagga.	u	65	38	0
41	0	C. Geo.	c	70	53	0

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. JULY 10 1884

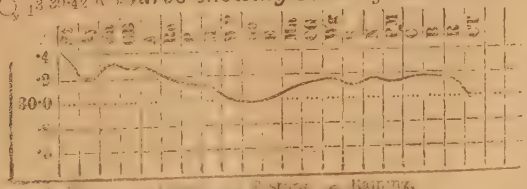
Sydney Observatory.

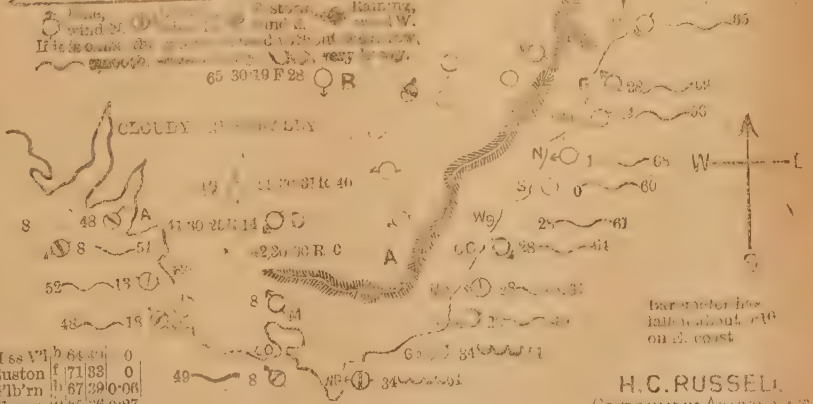
Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to June 30 .....31·562.
Total Rainfall from Jan. 1st to July 10 ....32·397.
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	WT	M		
Qeaunbey'n	b	51	41	0·23
Deniliquin .	f	69	38	0
Moruya....	c	71	51	0
Kiandra...	n	48	30	1·72
Albury	b	54	33	0·16
Bodalla....	f	73	39	0
Cooma	b	62	34	0·09
Eden.....	b	60	48	0

Curve showing state of Barometer.





Mss V'l	b	64	[illegible]	0
Euston	f	71	33	0
G'lb'rn	b	67	39	0·06
Wagga.	b	65	36	0·27
C. Geo.	c	68	54	0

Barometer has fallen about 0·10 on E. coast

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

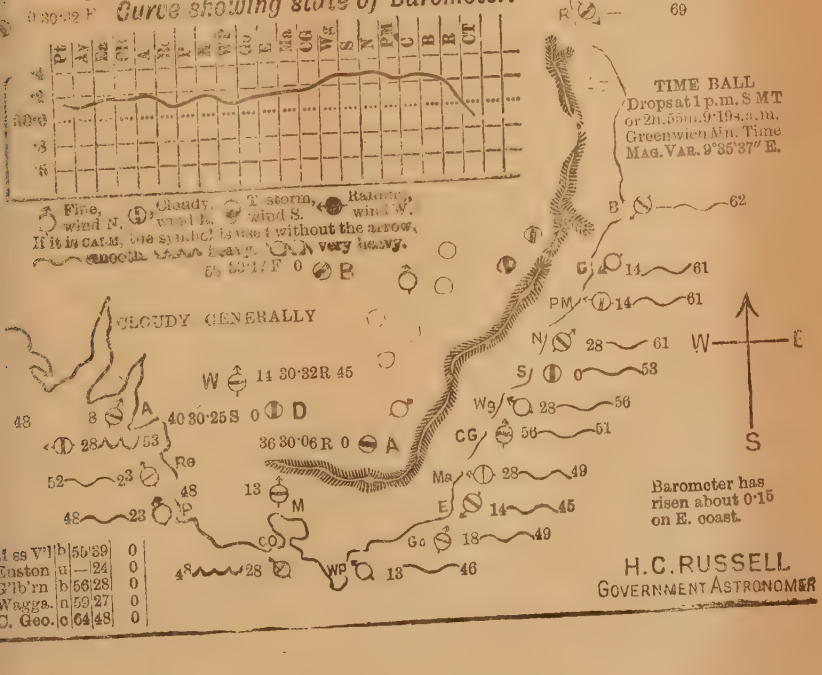
9 A.M. JULY 11 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to June 30 .....31·562.
Total Rainfall from Jan. 1st to July 11 ....32·402.
Barometers corrected to 32° Fah and Mean Sea Level

Stations.		WT M		
Qeaunbey'n	n	55	36	0
Deniliquin	g	59	30	0
Moruya	c	66	43	0
Kiandra	n	50	20	0
Albury	f	58	33	0
Bodalla	b	67	34	0
Cooma	n	62	22	0
Eden	c	60	42	0



M ss V'l	b	55	39	0
Euston	u	—	24	0
G'lb'rn	b	56	28	0
Wagga.	n	59	27	0
C. Geo.	c	64	48	0

METEOROLOGY.

JULY 12 1884

9 A.M.

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years ..... 50·491
Average for 26 years from Jan. 1st to June 30 ..... 31·562.
Total Rainfall from Jan. 1st to July 12 ..... 32·411.
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	wr	w		
Queanbey'n	b	53	37	0
Deniliquin	u	50	38	0
Moruya	c	67	42	0
Kiandra	g	44	18	0
Albury	g	47	35	0
Bodalla	b	67	31	0
Cooma	c	55	30	0
Eden	b	56	40	0

AS 0 30·25 R 62 *Curve showing state of Barometer.*

Pt Ay Fa CB A Re P W WP Go E Ma CG Wg S N PM C B R CT

·4
·2
30·0
·8
·6

Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow,
smooth. heavy. very heavy.

TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 9·19s. a. m.
Greenwich Mn. Time
MAG. VAR. 9°36′87″ E.

R — 67
B — 67
C 14 — 62
PM 0 — 60
N 14 — 61
S 5 — 51
Wg 14 — 56
CG 28 — 51
Ma 14 — 47
E 14 — 41
Go 13 — 45
WP 34 — 48

62 30·13 F 0 C B
CLOUDY GENERALLY
W 14 30·21 F 37
43 30·20 F 0 D
41 29·99 F 0 A
48 13 A 23 50
48 8 Re
51 28
50 13 M
48 48 CO

W E S

Barometer has fallen about 0·15 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

M ss V'l	b	55	40	0
Euston	g	—	26	0
G'lb'rn	b	59	35	0
Wagga	g	58	37	0
C. Geo.	b	64	47	0

METEOROLOGY.

9 A.M. JULY 14 1884

Sydney Observatory.

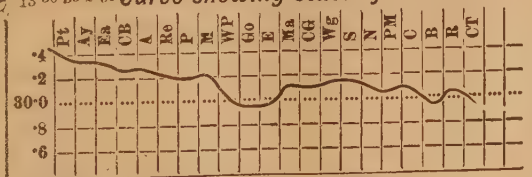
Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to June 30 .....31·562.
Total Rainfall from Jan. 1st to July 14 ....32·665.
Barometers corrected to 32° Fah and Mean Sea Level

Stations.				
Qeaunbey'n	g	53	34	0
Deniliquin.	b	59	36	0
Moruya....	g	66	45	0
Kiandra...	n	42	18	0
Albury	f	53	30	0
Bodalla....	g	66	30	0
Cooma	g	49	25	0
Eden.....	b	55	54	0

AS 13 30·35 F 5

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.

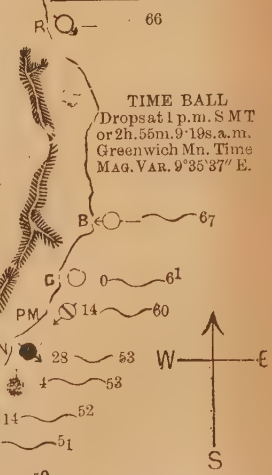
52 30·10 F 14 B

CLOUDY GENERALLY

W 14 30·34 R 38

36 30·27 R 0 D

33 30·02 R 0 A



TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

Barometer has risen about 0·05 on S.E. coast.

M ss V'l	r	54	40	0
Euston	b	—	—	0
C'lb'rn	u	52	41	0·05
Wagga.	n	59	30	0
C. Geo.	r	58	50	0·29

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. JULY 15 1924

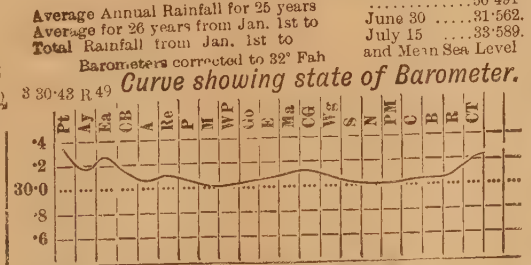
Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to June 30 .....31·562.
Total Rainfall from Jan. 1st to July 15 ....33·589.
Barometers corrected to 32° Fah and Mean Sea Level

Stations.		M		
Queanbeyan	c	49	44	0·03
Deniliquin	b	59	36	0
Moruya	g	65	47	0·43
Kiandra	n	47	18	0
Albury	c	56	33	0
Bodalla	b	57	40	0
Cooma	n	58	23	0
Eden	b	56	40	0

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.

TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

CLOUDY GENERALLY

Barometer has fallen about 0·09 on S.E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

Mossvale	r	48	42	1·32
Euston	o	—	23	0
G'lb'rn	r	45	38	0·34
Wagga.	b	57	35	0·19
C. Geo.	r	54	47	6·10

METEOROLOGY.

9 A.M. JULY 16 1884

Sydney Observatory.

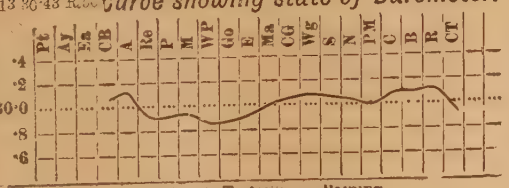
Lat. 33° 51′ 41″ S.; Long. 10h. 4m. 50·81s. E.

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to June 30 .....31·562.
Total Rainfall from Jan. 1st to July 16 ....33·860.
Barometers corrected to 32° Fah and Mean Sea Level

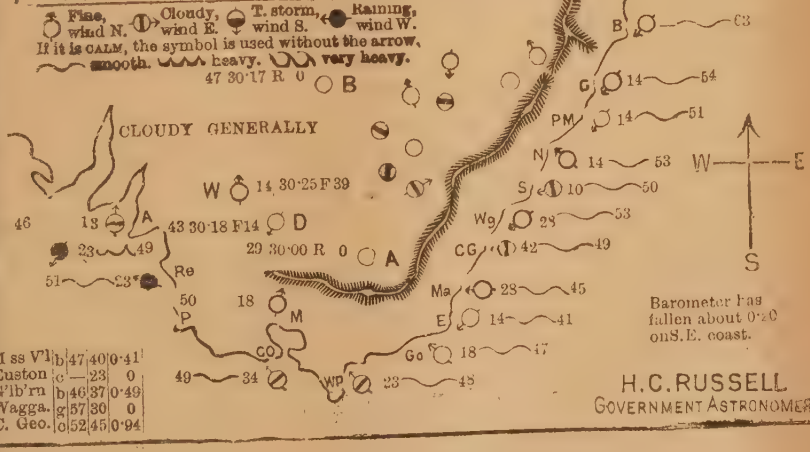
Stations.				
Qeaunbey'n	g	50	42	0
Deniliquin	b	59	37	0
Moruya	b	55	40	0
Kiandra	n	50	20	0
Albury	n	59	31	0
Bodalla	b	61	28	0
Cooma	n	59	18	0
Eden	b	56	48	0

13 30·43 R.

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow, smooth. heavy. very heavy.



Barometer has fallen about 0·20 on S.E. coast.

M ss V'l	b	47	40	0·41
Euston	c	—	23	0
G'lb'rn	b	46	37	0·49
Wagga.	g	57	30	0
C. Geo.	c	52	45	0·94

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. JULY 17 1884.

Sydney Observatory.

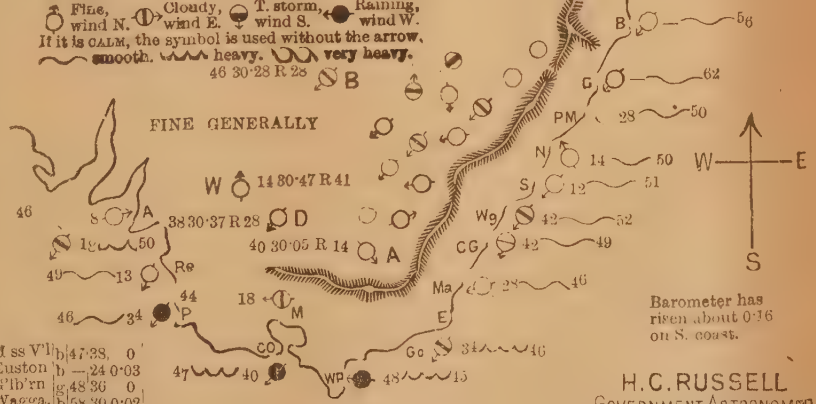
Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to June 30 .....31·562.
Total Rainfall from Jan. 1st to July 17 ....33·860.
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	WT.	M.	MD.	R.
Qeaunbey'n	b	51	39	0
Deniliquin.	b	60	37	0
Moruya....	b	64	44	0
Kiandra...	c	43	19	0
Albury	b	50	34	0·13
Bodalla....	b	65	32	0
Cooma	n	55	28	0
Eden.....	–	–	–	–

Curve showing state of Barometer.

Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.



Barometer has risen about 0·16 on S. coast.

M ss V'l	b	47	28	0
Euston	b	—	24	0·03
G'lb'rn	g	48	36	0
Wagga.	b	58	30	0·02
C. Geo.	c	59	43	0

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

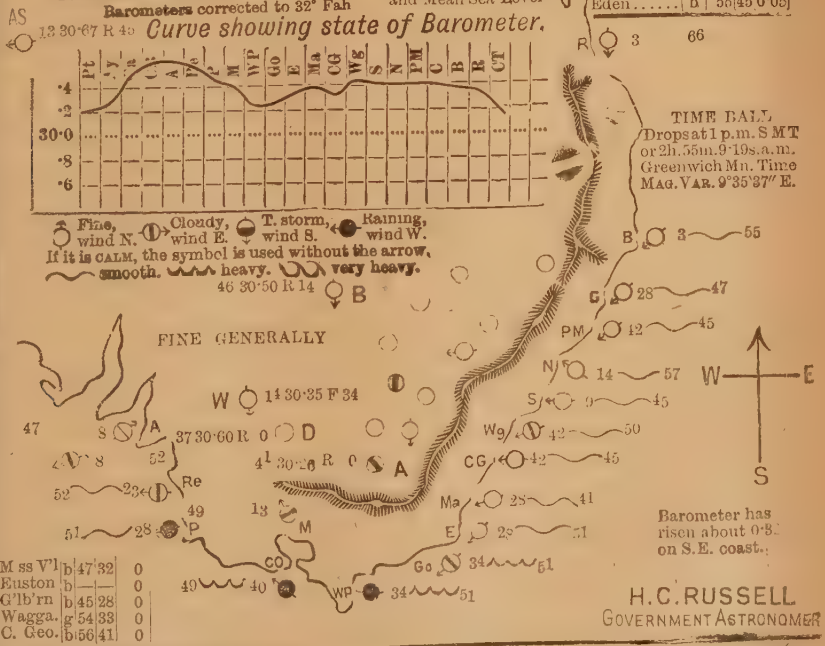
9 A.M. JULY 18 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to June 30 .....31·562.
Total Rainfall from Jan. 1st to July 18 ...33·860.
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	W T	M	S	W
Qeaunbey'n	b	48	31	0
Deniliquin.	b	60	35	0
Moruya....	b	57	38	0
Kiandra...	n	50	20	0
Albury	g	52	37	0
Bodalla....	b	59	25	0
Cooma	b	48	22	0
Eden.....	b	55	45	0·05



M ss V'l	b	47	32	0
Euston	b	—	—	0
G'lb'rn	b	45	28	0
Wagga.	g	54	33	0
C. Geo.	b	56	41	0

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. JULY 19 1884.

Sydney Observatory.

Lat. 33° 51′ 41″ S.; *Long.* 10*h.* 4*m.* 50·81*s.* E.

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to June 30 .....31·562.
Total Rainfall from Jan. 1st to July 19 ....33·860.
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	WT	M	Min	
Queanbey'n	n	49	30	0
Deniliquin	c	59	38	0
Moruya	b	59	39	0
Kiandra	n	50	25	0
Albury	o	53	37	0
Bodalla	b	65	27	0
Cooma	n	57	18	0
Eden	b	58	43	0

Curve showing state of Barometer.

Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow,
smooth. heavy. very heavy.

TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

48 30·48 F 14 B

FINE GENERALLY

W 14 30·64 R 36

47 30·56 F 0 D

41 30·47 R 0 A

Barometer has risen about 0·06 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

M'ss V'll	b	49	32	0
Euston	b	—	—	0
G'lb'rn	b	52	28	0
Wagga	b	56	33	0
C. Geo.	b	60	41	0

METEOROLOGY.

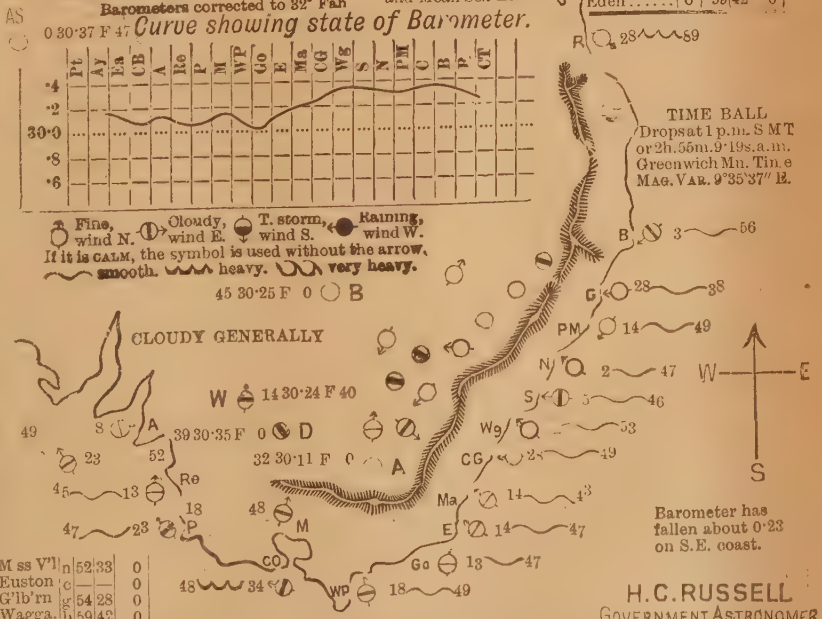
9 A.M. JULY 21 1894

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to June 30 .....31·562.
Total Rainfall from Jan. 1st to July 21 ....33·862.
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	WT			
Qeaunbey'n	n	47	30	0
Deniliquin .	u	63	39	0
Moruya....	g	60	38	0
Kiandra...	n	45	18	0
Albury	n	57	32	0
Bodalla....	b	65	27	0
Cooma	o	55	19	0
Eden.....	o	59	42	0



M ss V'l	n	52	33	0
Euston	c	—	—	0
G'lb'rn	g	54	28	0
Wagga.	b	59	42	0
C. Geo.	b	58	42	0

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. JULY 22 1884

Sydney Observatory.

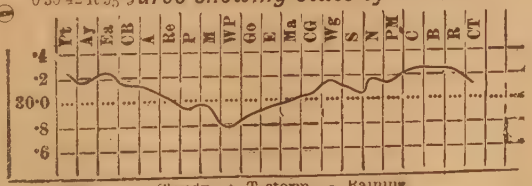
Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to June 30 .....31 562.
Total Rainfall from Jan. 1st to July 22 ....33·862.
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	WT	M.	X	MR	R
Qeaunbey'n	g	46	32	0	
Deniliquin.	g	57	42	0	
Moruya....	b	61	42	0	
Kiandra...	s	47	27	0	
Albury	r	53	37	0·17	
Bodalla....	b	60	35	0	
Cooma	n	53	32	0	
Eden.....	u	54	45	0	

AS 0 30·42 R 55

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.

54 30·12 F 14

CLOUDY GENERALLY

W 14 30·18 F 46

49 30·10 F 14 D

45 29·95 F 0 A

R 3 62

TIME BALL
Drops at 1 p.m. S MT
or 2h.55m.9·19s.a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

B 3 56

G 14 60

PM 14 50

N 1 48

S 2 54

Wg 14 50

CG 28 51

Ma 42 54

E 14 47

Go 18 52

WP 23 50

W E S

Barometer has fallen about 0·20 on E. coast.

M ss V'l	b	53	40	0	
Euston	b	—	—	0	
G'lb'rn	g	58	31	0	
Wagga.	u	56	36	0·07	
C. Geo.	c	61	47	0	

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. JULY 23 1884.

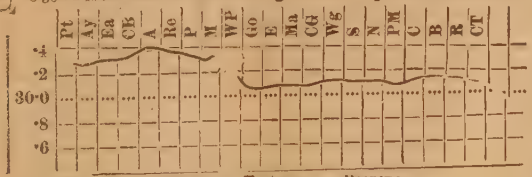
Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to June 30 .....31·562.
Total Rainfall from Jan. 1st to July 23 ....33·862.
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	WT	M.	X	MB	R'H
Qeaunbey'n	n	48	35		0
Deniliquin .	b	64	39	0·06	
Moruya....	g	65	46		0
Kiandra...	s	38	25		0
Albury	g	50	39	0·25	
Bodalla....	b	66	35		0
Cooma	n	53	26		0
Eden.....	b	58	47		0

8 30·52 R 52 *Curve showing state of Barometer.*



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.

48 30·18 R 0 B

CLOUDY GENERALLY

W 14 30·40 R 36

39 30·29 R 14 D

40 30·02 R 0 A

TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′.7″ E.

Barometer has risen about 0·17 on S. coast.

M ss V'l	b	51	35	0·02
Euston	b	—	—	0
G'lb'rn	c	54	37	0
Wagga.	f	57	35	0·07
C. Geo.	c	63	46	0

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. JULY 24 1894

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to June 30 .....31·562.
Total Rainfall from Jan. 1st to July 24 ....33·489.
and Mean Sea Level

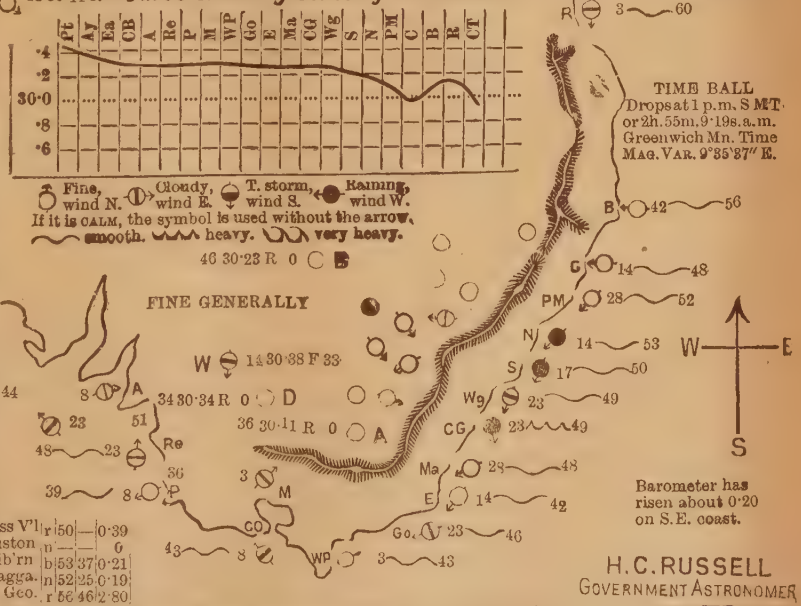
Barometers corrected to 32° Fah

Stations.	wt	M'x	Mn	R in.
Casino...	b	71	46	0
T'nt'rfield	n	58	39	0
Clarence..	b	72	48	0·70
Morse....	b	69	38	0
Grafton..	b	70	41	0·08
Gl'n Inn's	n	55	51	0·04
Inverell..	n	31	22	0·03
Bourke..	n	60	39	0
Narrabri.	b	64	39	0
Armidale	n	62	45	0·13
B'ndem'r.	n	47	31	0·10
Gunned'h	b	61	36	0
C'namble	–	—	—	—
Kempsey.		—	—	—
Walcha..	n	50	29	0·16
Tamw'rth	–	—	—	—
Coonab'n	f	58	29	0
P.M'cqrie	b	62	47	0·07
W'lcannia	b	—	—	0
M'rr'r'ndi	u	55	33	0
Taree....	g	48	34	0
Cassilis..	u	—	36	0
M'ss'lbr'k	d	62	43	0·01
Dubbo...	b	59	29	0·03
Menindie.	b	57	36	0
Singleton	c	61	48	0
N'ls'n's B.	p	74	43	0·10
8 53 Mudg	b	64	28	0
Maitland.	u	—	13	0·25
Hill End.	u	—	—	0
N'wcastle	p	62	44	0·27
Orange..	c	44	33	0
Bathurst	g	48	33	0
Forbes...	b	48	32	0·25
M.V'ct'ria	e	45	36	0·10
Carcoar..	g	47	39	0·01
Cond'b'l'n	n	39	35	0
Marsdens	b	69	36	0
Picton...	g	57	39	0
Sydney..	p	65	48	0·62
Wentw'th	c	57	31	0
Young...	n	64	34	0
Woll'g'ng	c	54	49	0·19
Taralga..	r	56	35	0·41
Hay.....	b	58	34	—

Stations.	WT	M,X	MN	R'n
Qeaunbey'n	n	47	40	0·32
Deniliquin.	b	61	35	0
Moruya....	b	59	45	0·75
Kiandra...	n	38	17	0
Albury....	n	55	33	0
Bodalla....	b	60	39	0·82
Cooma....	n	69	30	0
Eden.....	b	57	43	0·66

M ss V'l	r	50	—	0·39
Euston	n	—	—	0
G'lb'rn	b	53	37	0·21
Wagga.	n	52	25	0·19
C. Geo.	r	56	46	2·80

AS 13 30·44 R 51 *Curve showing state of Barometer.*



H.C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. JULY 25 1884.

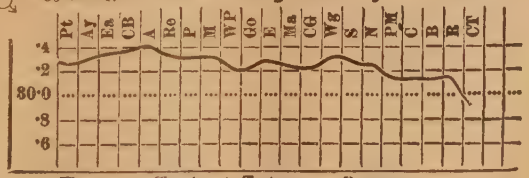
Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to June 30 .....31·562.
Total Rainfall from Jan. 1st to July 25 .....33·692.
Barometers corrected to 32° Fah and Mean Sea Level

AS 13 30·49 R 47

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.

50 30·18 F 0 B

FINE GENERALLY

W 28 30·42 R 39

45 3 A 33 30·36 R 0 D 48 13 Ro 50 8 38 13 M 47 8 P 49 13 CO 31 30.11 S 0 A Wg 28 52 CG 42 50 Ma 28 42 E 14 47 Go 18 43 WP 48

TIME BALL
Drops at 1 p.m. S MT
or 2h. 55m. 9·198s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

R 3 52 B 3 59 G 14 53 PM 28 55 N 14 52 S 8 47

W E S

Barometer has risen about 0·08 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

Stations.	wt	M'x	Mm	R in
Casino ...	g	67	48	0
Tenterfield	n	54	31	0
Clarence .	b	60	53	0
Casino	b	65	41	0
Grafton ..	b	70	41	0
Gl'n Inn's	n	54	38	0
Inverell ..	n	61	22	0
Bourke ..	b	58	43	0
Narrabri ..	c	57	37	0
Armidale	b	64	45	0
B'ndem'r.	n	47	36	0
Gunned'h	–	–	–	–
Tamboble	b	–	–	0
Kempsey.	–	–	–	–
Walcha ..	r	47	34	0
Tamw'rth	b	56	32	0
Coonab'n	b	58	31	0
Parkesbrie	b	64	50	0·10
W'lcannia	u	–	–	0
M'rr'mdi	b	50	42	0·05
Taree	g	59	49	0·02
Cassilis ..	f	–	–	0
M'ss'lbr'k	g	60	44	0·03
Dubbo. ..	b	59	35	0
Menindie.	g	57	36	0
Singleton	g	56	48	0·05
N'ls'n's B.	o	68	47	0·30
8 54				
Mudg	n	62	26	0
Maitland.	b	–	45	0·24
Hill End.	n	–	–	0
N'wcastle	c	58	50	0·19
Orange ..	n	50	31	0
Bathurst.	n	53	29	0
Forbes. ..	b	59	31	0
M. V'c't'ria	c.	46	36	0
Carcoar ..	n	49	35	0
Cond'b'l'n	n	39	35	0
Marsdens	n	56	36	0
Picton. ..	o	52	37	0
Sydney ..	r	54	46	0·20
Wentw'th	g	60	30	0
Young. ..	n	74	30	0
Woll'g'ng	c	59	43	0·05
Taralga ..	n	51	25	0
Hay	b	65	33	0

Stations.	wt	M'x	Mm	R in
Queanbey'n	b	49	31	0
Deniliquin .	n	62	31	0
Moruya	b	58	38	0
Kiandra ...	n	46	3	0
Albury	b	57	30	0
Bodalla	b	62	28	0
Cooma	n	57	15	0
Eden	b	57	45	0

Stations.	wt	M'x	Mm	R in
Mss V'l	n	48	34	0·01
Euston	o	–	–	0
G'lb'rn	f	51	29	0
Wagga.	n	53	24	0
C. Geo.	o	57	–	0

METEOROLOGY.

9 A.M. JULY 26 1884

Sydney Observatory

Lat. 33° [illegible] 4m 50·81s E

Average Annual Rainfall [illegible] .....50·491

Average for 26 years from [illegible] to June 30 .....31·562.

Total Rainfall from Jan. 1st to July 26 .....33·975

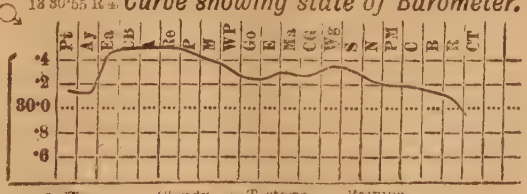
Barometers corrected to 32° Fah. and Mean Sea Level

Stations.	W	M'x	Mn	R in
Casino ..	c	67	35	0
T'nt'rfield	c	57	35	0
Clarence..	r	70	51	0
Moree....	u	72	47	0
Grafton..	n	70	40	0
Gl'n Inn's	c	64	51	0
Inverell..	c	61	26	0
Bourke ..	b	63	43	0
Narrabri..	r	59	39	0
A[illegible]	b	6[illegible]	[illegible]	0
[illegible]	n	45	32	0
[illegible]	b	5[illegible]	13	0
C'[illegible]	–	—	—	—
Kempsey.	–	—	—	—
Walcha ..	n	49	30	0
Tamw'rth	b	[illegible]	[illegible]	0
Coonab'n.	n	5[illegible]	2[illegible]	0
P.M'cqrie	b	63	45	0
W'leamia	b	—	—	0
M'rr'rndi	n	54	36	0
Taree....	b	61	45	0
Cassilis ..	g	—	—	0
M'ss'ilb'k	g	63	42	0
Dubbo....	b	60	37	0
Mu[illegible]	g	59	36	0
Singleton	g	60	42	0·20
N[illegible]	c	64	49	0·03
↑ 8 52 ↓ Mudg	b	65	30	0
Maitland.	g	—	46	0·24
Hill [illegible]	u	—	—	0
N'weastle	b	60	51	0
Orange ..	g	47	34	0
Bathurst	b	54	32	0
Forbes...	c	61	35	0
M.V'ct'ria	u	45	35	0·17
Carcoar..	b	48	38	0
Cond'b'l'n	c	45	36	0
Marsden's	b	59	37	0
Pict[illegible]	g	56	40	0
Sydney ...	u	55	48	0·25
Wentw'th	g	60	37	0
Young...	g	72	32	0
Wolf'g'ng	c	66	45	0
Taralga..	u	59	28	0
Hay.....	n	56	31	0

Stations.				
Qeaunbey'n	g	48	32	0
Deniliquin.	b	60	34	0
Moruya....	g	55	42	0
Kiandra...	g	50	22	0
Albury	n	56	31	0
Bodalla....	c	62	33	0
Cooma	g	55	27	0
Eden.....	u	57	46	0·02

AS 13 30·55 R 4

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.

If it is CALM, the symbol is used without the arrow.

smooth. heavy. very heavy.

49 30·16 F 0 B

CLOUDY GENERALLY

W 28 30·46 R 44

45 0 A

40 30·40 R 0 D

36 30·15 R 0 A

13 49 Re 46 0 47 P M 51 CO 49 13 WP 23 48 Go 23 48 E 14 48 Ma 28 46 CG 56 53 Wg 42 53 S 2 50 N 14 57 PM 14 51 G 14 49 B 60 55

TIME BALL.
Drops at 1 p.m. S MT
or 2h. 55m. 9·10s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35'37" E.

W E S

Barometer has risen about 0·05 on E. coast.

M ss V'l	c	48	34	0
Euston	b	—	—	0
G'lb'rn	b	55	30	0
Wagga.	b	57	29	0
C. Geo.	g	55	46	0

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. JULY 28 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to June 30 .....31·562.
Total Rainfall from Jan. 1st to July 28 ....36·164.
Barometers corrected to 32° Fah and Mean Sea Level

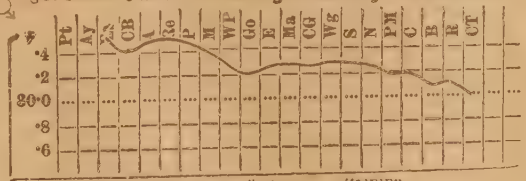
Stations.	wt	M'x	Mi	R in
Casino...	b	55	42	0·33
T'nt'rfield	b	60	42	0·26
Clarence.	r	58	45	1·49
Moree....	b	71	41	0·20
Grafton.	b	61	38	0
Gl'n Inn's	b	59	41	0
Inverell..	n	61	24	0·15
Bourke..	b	64	44	0
Narrabri.	b	60	40	0
Armidale	c	64	45	0·01
B'ndem'r.	n	47	35	0
Gunned'h	–	—	—	—
C'namble	–	—	—	—
Kempsey.	–	—	—	—
Walcha..	–	—	—	—
Tamw'rth	b	58	36	0
Coonab'n	b	60	28	0
Pt'ficqrie	c	62	47	0·23
Wilcannia	b	—	—	0
M'rr'ndi	u	54	39	0
Taree....	g	60	46	0·05
Cassilis..	–	—	—	—
M'ss'lbr'k	g	62	47	0
Dubbo...	b	60	32	0
Menindie.	b	57	33	0
Singleton	b	57	50	0
N'ls'n's B.	p	66	48	0·70
Mudg	f	68	26	0
Maitland.	c	—	45	0·05
Hill End.	–	—	—	—
N'wcastle	c	57	48	0·88
Orange..	n	48	28	0
Bathurst.	n	53	26	0
Forbes...	n	60	31	0
M.V'ct'ria	b	44	32	0
Carcoar..	n	50	33	0
Cond'b'l'n	b	40	35	0
Marsdens	n	59	38	0
Picton...	n	55	34	0
Sydney..	b	57	44	1·19
Wentw'th	b	59	32	0
Young...	b	72	30	0
Woll'g'ng	b	66	42	0
Taralga..	b	54	29	0
Hay.....	b	65	32	0

Stations.				
Queanbey'n	n	49	30	0
Deniliquin.	b	65	29	0
Moruya....	c	59	43	0
Kiandra...	n	45	13	0
Albury....	n	60	32	0
Bodalla....	c	62	33	0
Cooma....	c	51	33	0·01
Eden.....	c	56	45	0

M'ss V'l	c	47	35	0·40
Euston	b	—	—	0
G'lb'rn	f	50	30	0
Wagga.	n	60	24	0
C. Geo.	c	54	46	0·07

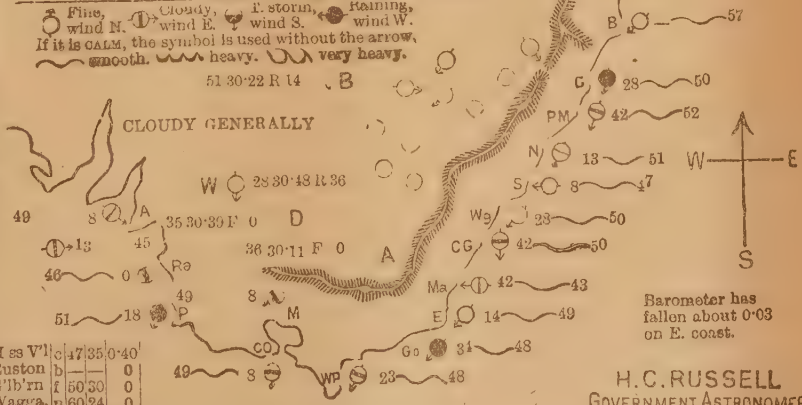
8 30·53 S 10

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.

If it is CALM, the symbol is used without the arrow, smooth. heavy. very heavy.



Barometer has fallen about 0·03 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. JULY 29 1884

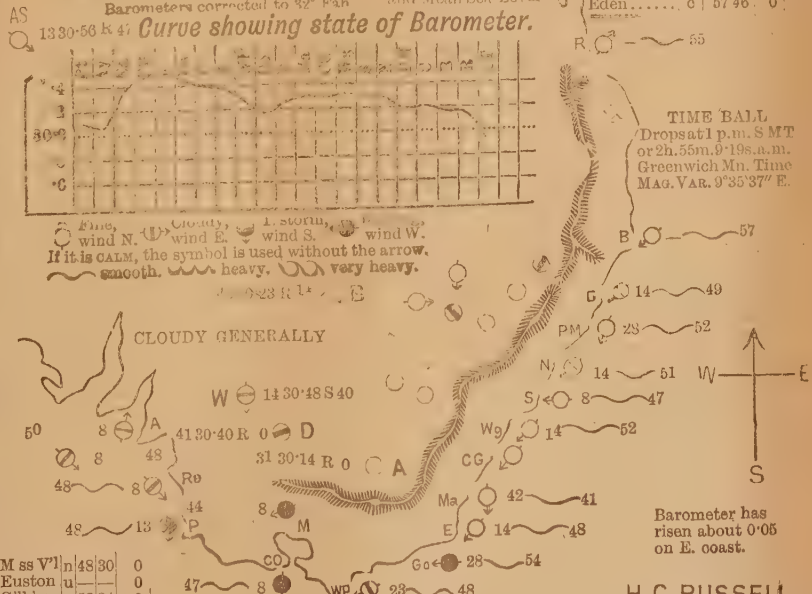
Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E*

Average Annual Rainfall for 25 years .....[illegible]0·491
Average for 26 years from Jan. 1st to June 30 .....31·562.
Total Rainfall from Jan. 1st to July 29 ....36·165.
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	W.	M.	X.	Z.	R.	H.
Casino...	c	65	44	0·05		
T'nt'rfield	b	57	41	0		
Clarence.	c	64	49	1·45		
Moree...	b	72	40	0		
Grafton..	b	66	41	0		
Gl'n Inn's	b	61	43	0		
Inverell..	n	61	25	0		
Bourke..	b	63	42	0		
Narrabri.	b	59	35	0		
Armidale	u	67	45	0		
B'ndem'r.	u	48	36	0		
Gunned'h	b	85	39	0		
Chambie	n	—	—	0		
Kempsey.		—		—		
Walcha..	c	52	40	0		
Tamw'rth.	b	58	34	0		
Coonab'n	u	59	24	0		
P.M'cqrie	c	63	18	0		
W'lcannia	b	—	—	0		
M'rr'r'ndi	b	53	38	0		
Taree....	c	[illegible]	49	0·02		
Cassilis..	n	—	32	0		
M'ss'lbr'k	f	63	38	0		
Dubbo...	b	61	25	0		
Menindie.	b	55	40	0		
Singleton	g	60	50	0		
N'ls'n's B.	c	68	46	0·95		
13 53 Mudg	n	69	24	0		
Maitland.	c	—	46	0		
Hill End.	b	—	—	0		
N'wcastle	g	57	48	0·08		
Orange..	n	49	28	0		
Bathurst.	n	54	26	0		
Forbes...	n	62	23	0		
M.V'ct'ria	n	46	31	0		
Carcoar..	n	47	31	0		
Cond'b'l'n	b	40	35	0		
Marsdens	n	59	37	0		
Picton...	n	55	34	0		
Sydney..	b	57	46	0		
Wentw'th	g	59	33	0		
Young...	n	74	28	0		
Woll'g'ng	b	63	43	0		
Taralga..	n	59	20	0		
Hay.....	b	61	33	0		

Stations.				
Qeaunbey'n	n	48	29	0
Deniliquin.	c	64	35	0
Moruya....	b	60	38	0
Kiandra...	n	49	15	0
Albury....	n	59	29	0
Bodalla....	b	61	28	0
Cooma....	n	52	15	0
Eden.....	c	57	46	0



M ss V'l	n	48	30	0
Euston	u	—	—	0
G'lb'rn	n	52	24	0
Wagga.	n	58	23	0
C. Geo.	c	55	45	0

H. C. RUSSELL.
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. JULY 30 1884

Sydney Observatory.

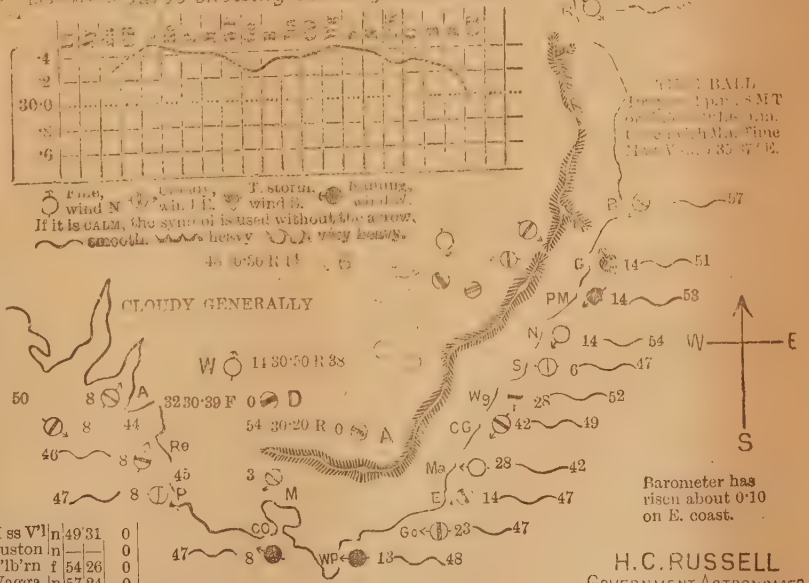
Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years ... 50·491
Average for 26 years from Jan. 1st to ... 31·462.
Total Rainfall from Jan. 1st to ... 36·446.
Barometers corrected to 32° Fah. ... Level

Stations.	Wt	M'x	M'n	F	R
Casino ...	c	64	41	0·22	
T'nt'rfield	c	60	46		
Clarence ..	n	65	49	0·65	
Moree	b	71	41	0	
Grafton ..	c	68	41	0	
Gr'n Inn's	c	64	[illegible]	0	
Laverell ..	u	61	26	0	
Lourke ..	b	63	4[illegible]	0	
Narrabr ..	b	61	3[illegible]	0	
Armidale	u	68	49	0	
B'ndem'r.	n	42	30	0	
Gunned'h	–	—	—	–	
C'namble	–	—	—	—	
Kempsey.	–	—			
Walcha ..	b	50	38	0	
Tamw'rth	f	62	32	0	
Coonab'n	b	62	23	0	
P.M'cqrie	n	63	48	0·36	
W'lcannia	b	—	—	0	
M'rr'r'ndi	f	54	39	0	
Taree	g	61	50	0·01	
Cassilis ..	g	—	36	0	
M'ss'lbr'k	b	63	45	0	
Dubbo. ..	b	61	30	0	
Menindie.	c	55	39	0	
Singleton	b	60	47	0	
N'ls'n's B.	b	76	45	0·12	
♂ 18 52					
Mudg	n	70	25	0	
Maitland.	c	—	45	0·05	
Hill End.	b	—	—	0	
N'wcastle	c	60	48	0	
Orange ..	n	47	29	0·16	
Bathurst.	n	56	26	0	
Forbes. ..	n	59	27	0	
M.V'ct'ria	n	47	33	0	
Carcoar ..	n	42	33	0	
Cond'b'l'n	b	38	34	0	
Marsdens	b	59	36	0	
Picton. ..	c	55	32	0	
Sydney ..	g	57	44	0·28	
Wentw'th	c	56	30	0	
Young. ..	n	75	31	0	
Woll'g'ng	g	66	40	0	
Taralga ..	n	62	28	0	
Hay	b	57	33	0	

Stations.				
Qeambey'n	n	46	30	0
Dembquin.	n	61	30	0
Moruya ...	b	57	38	0
Kiandra.	n	52	13	0
Albury .	n	58	30	0
Bodalla .	b	6[illegible]	33	0
Cooma .	n	3	28	0
Eden .	c	5[illegible]	47	0

Curve showing state of Barometer.



M ss V'l	n	49	31	0
Euston	n	—	—	0
G'lb'rn	f	54	26	0
Wagga.	n	57	24	0
C. Geo.	o	55	47	0

Barometer has risen about 0·10 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. JULY 31 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to June 30 .....31·562.
Total Rainfall from Jan. 1st to July 31 ....36·204.
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	wt	M'x	Mn	R in
Casino ...	p	59	44	0
T'nt'rfield	r	56	46	0
Clarence .	r	64	52	2·07
Moree....	b	67	50	0
Grafton..	c	62	41	0
Gl'n Inn's	c	57	46	0
Inverell..	g	61	28	0
Bourke ..	b	64	42	0
Narrabri.	b	63	40	0
Armidale	u	65	47	0
B'ndem'r.	n	42	32	0
Gunned'h	c	60	40	0
C'namble	–	—	—	—
Lismore..	c	55	52	0·01
Walcha ..	c	50	29	0
Tamw'rth	b	61	33	0
Coonab'n	n	65	25	0
P.M'cqrie	p	62	48	0·18
W'lcannia	n	—	—	0
M'rr'r'ndi	c	55	40	0
Taree....	c	62	47	0
Cassilis ..	g	—	44	0
M'ss'lbr'k	f	63	44	0
Dubbo...	b	67	34	0
Menindie.	b	59	33	0
Singleton	b	60	43	0
N'ls'n's B.	g	66	46	0·02
♂ 18 55 Mudg	u	71	27	0
Maitland.	f	—	42	0
Hill End.	f	—	—	0
N'wcastle	c	61	48	0
Orange ..	–	—	—	
Bathurst.	u	58	29	0
Forbes...	b	64	29	0
M.V'ct'ria	c	47	32	0
Carcoar..	n	49	29	0
Cond'b'l'n	b	59	35	0
Marsdens	n	61	36	0
Picton...	b	56	31	0
Sydney ..	b	55	45	0·04
Wentw'th	n	60	26	0
Young...	n	74	30	0
Woll'g'ng	c	65	38	0
Taralga..	n	66	30	0
Hay.....	b	61	28	0

Stations.				
Qeaunbey'n	b	48	31	0
Deniliquin .	b	64	26	0
Moruya....	f	60	38	0
Kiandra...	n	50	12	0
Albury	n	59	31	0
Bodalla....	n	64	28	0
Cooma	n	57	14	0
Eden.....	c	56	40	0

AS 0 30·53 R 4

Curve showing state of Barometer.

Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.

If it is CALM, the symbol is used without the arrow, smooth. heavy. very heavy.

48 30·29 F 14 B

CLOUDY GENERALLY

W 14 30·46 F 34

31 30·44 R 0 D

54 30·19 F 0 A

48 8 A 23 53 40 13 Re 40 8 M 44 18 P CO 44 18 WP 13 48 Go 13 47 E 14 43 Ma 28 43 CG 28 49 Wg 14 59 S 7 47 N 14 54 PM 14 51 G 28 58 B 55 R 56

TIME BALL
Drops at 1 p.m. S M T or 2h. 55m. 9·19s. a.m. Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

W E S

Barometer has risen about 0·03 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. AUG'ST 1 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 25 years .....50·491

Average for 26 years from Jan. 1st to July 31st ....35·666

Total Rainfall from Jan. 1st to August 1 ....36·212.

Barometers corrected to 32° Fah and Mean Sea Level

Curve showing state of Barometer.

Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.

If it is CALM, the symbol is used without the arrow.

smooth. heavy. very heavy.

53 30·29 S 0 B

CLOUDY GENERALLY

W 14 30·43 F 41

35 30·38 F 0 D

34 30·17 F 0 A

Barometer has fallen about 0·08 on E. coast.

TIME BALL ... 9.m. S.M.T ... 9·19s.a.m. ...wich Mn. Time MAG. VAR. 9°35′37″ E.

Stations.	wt	m's	in	R	in
Casino...	p	53	32	0	·28
T'nt'rfield	m	65	50	0	
Clarence .	r	61	53	0	·88
Moree....	b	73	42	0	
Grafton..	b	66	41	0	·01
Gl'n Inn's	u	57	46	0	·01
Inverell..	b	61	28	0	·05
Lourke ..	b	66	44	0	
Narrabri.	b	65	[illegible]	0	
Armidale	b	64	50	0	
Bndem'r.	n	48	35	0	
Gunned'h	b	61	38	0	
C'namble	–	—	—	—	
Lismore..	c	59	54	0	·66
Walcha ..	u	58	30	0	
Tamw'rth	b	65	35	0	
Coonab'n	n	67	26	0	
P.M'cqrie	c	57	50	0	·97
W'leannia	b	—	—	0	
M'rr'mdi	b	55	36	0	
Taree....	c	62	52	0	
Cassilis ..	g	—	38	0	
M'ss'lbr'k	f	62	38	0	
Dubbo....	b	67	33	0	
Menindie.	g	60	39	0	
Singleton	f	60	40	0	
N'ls'n's B.	c	70	46	0	
0 57					
Mudg	n	72	26	0	
Maitland..	b	—	41	0	
Hill End..	n	—	—	0	
N'wcastle	b	67	45	0	
Orange ..	n	48	28	0	
Bathurst.	b	57	25	0	
Forbes...	n	59	28	0	
M. V'ct'ria	n	49	36	0	
Carcoar..	n	47	33	0	
Cond'b'l'n	b	48	35	0	
Marsdens	n	62	36	0	
Picton...	n	57	30	0	
Sydney ..	b	59	49	0	·01
Wentw'th	c	66	31	0	
Young...	n	73	30	0	
Woll'g'ng	b	66	39	0	
Taralga..	b	59	27	0	
Hay.....	c	62	31	0	

Stations.				
M ss V'l	n	52	33	0
Euston	c	—	—	0
G'lb'rn	b	59	25	0
Wagga.	c	62	25	0
C. Geo.	b	61	45	0

Stations.				
Queanbey'n	n	51	29	0
Deniliquin.	b	61	26	0
Moruya....	m	60	37	0
Kiandra...	n	50	12	0
Albury	n	61	31	0
Bodalla....	n	64	28	0
Cooma	n	62	25	0
Eden.....	b	55	40	0

H.C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. AUG'ST 2 1884

Sydney Observatory.

Lat. 33° 51 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to July 31 .....35·666.
Total Rainfall from Jan. 1st to August 2.....36·212.
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	wt	M'x	Mn	R in
Casino...	b	70	51	0·06
T'nt'rfield	–	—	—	—
Clarence.	c	69	51	0·12
Morce....	b	76	43	0
Grafton..	b	75	42	0
Gl'n Inn's	b	61	43	0
Inverell..	b	61	30	0
Bourke ..	b	68	44	0
Narrabri.	b	65	38	0
Armidale	f	69	51	0
B'ndem'r.	b	43	36	0
Gunned'h	b	62	39	0
C'namble	–	—	—	—
Lismore..	b	63	52	0·10
Walcha ..	f	58	34	0
Tamw'rth	b	67	36	0
Coonab'n	b	69	26	0
P.M'cqrie	b	63	48	0·10
W'lcannia	–	—	—	–
M'rr'r'ndi	b	51	53	0
Taree....	b	65	45	0
Cassilis ..	n	—	35	0
M'ss'lbr'k	f	63	39	0
Dubbo. ..	b	66	33	0
Menindie.	b	65	40	0
Singleton	f	60	41	0
N'ls'n's B.	b	72	43	0
28 60 Mudg	n	69	26	0
Maitland.	f	—	40	0
Hill End.	–	—	—	—
N'wcastle	b	62	49	0
Orange ..	n	51	29	0
Bathurst.	n	58	26	0
Forbes. ..	n	60	29	0
M.Y'ct'ria	n	52	40	0
Carcoar..	n	49	33	0
Cond'b'l'n	b	41	35	0
Marsdens	n	61	38	0
Picton...	b	56	31	0
Sydney ..	b	59	44	0·01
Wentw'th	c	69	35	0
Young. ..	n	74	30	0
Woll'g'ng	b	69	37	0
Taralga..	n	60	28	0
Hay.....	b	67	36	0
M ss V'l	b	54	32	0
Euston	–	—	—	—
G'lb'rn	n	55	24	0
Wagga.	b	62	25	0
C. Geo.	b	59	41	0

Stations.	wt	M		
Qeaunbey'n	n	49	30	0
Deniliquin.	b	64	30	0
Moruya....	m	59	38	0
Kiandra...	n	50	15	0
Albury	n	57	33	0
Bodalla....	n	66	27	0
Cooma	n	59	13	0
Eden.....	c	52	39	0

AS 8 30·40 R 56

Curve showing state of Barometer.

Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.

If it is CALM, the symbol is used without the arrow.

smooth. heavy. very heavy.

53 30·26 F 0 B

CLOUDY GENERALLY

W 14 30·37 F 44

57 8 A 38 30·39 R 0 D

13 56 36 30·07 F 0 A

52 0 Re 54 13

49 18 P M

CO 53 18 WP 23 53

Go 13 47

E 14 42

Ma 28 43

CG 28 45

Wg 14 47

S 8 47

N 14 51

PM 14 53

C 14 54

B 60

R 60

TIME BALL
Drops at 1 p.m. S MT or 2h. 55m. 9·19s. a.m. Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

W E S

Barometer has fallen about 0·03 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. AUG'ST 4 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to July 31 .....35·666.
Total Rainfall from Jan. 1st to August 4.....36·220.
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	wt	M'x	M2	R in
Casino...	b	73	43	0
T'nt'rfield	n	60	40	0
Clarence..	b	72	43	0
Moree....	b	78	42	0
Grafton..	b	75	42	0
Gl'n Inn's	n	62	42	0
Inverell..	b	61	28	0·07
Bourke..	c	69	50	0
Narrabri.	b	66	37	0
Armidale	b	76	43	0
B'ndem'r.	n	47	29	0
Gunned'h	b	63	36	0
C'namble	–	—	—	—
Lismore..	b	56	45	0
Walcha..	n	59	28	0
Tamw'rth	b	65	32	0
Coonab'n	n	67	27	0
P.M'cqrie	b	65	39	0
W'lcannia	b	—	—	0
M'rr'r'ndi	b	60	36	0
Taree....	b	—	43	0
Cassilis..	n	—	35	0
M'ss'lbr'k	b	65	37	0
Dubbo...	b	68	33	0
Menindie.	b	69	50	0
Singleton	g	60	40	0
N'ls'n's B.	b	76	44	0
8 53 Mudg	n	76	24	0
Maitland.	b	—	40	0
Hill End.	g	—	—	0
N'wcastle	b	60	45	0
Orange..	c	54	33	0
Bathurst.	f	64	26	0
Forbes...	n	65	29	0
M.V'ct'ria	b	55	45	0
Carcoar...	n	50	33	0
Cond'b'l'n	c	45	36	0
Marsdens	n	61	37	0
Picton....	c	59	34	0
Sydney..	b	60	45	0
Wentw'th	u	76	43	0
Young...	g	80	31	0
Woll'g'ng	b	67	42	0
Taralga..	b	71	30	0
Hay.....	u	73	38	0

Stations.	wt	M	M2	R in
Qeaunbey'n	b	53	34	0
Deniliquin.	g	73	38	0
Moruya....	c	64	45	0
Kiandra....	g	53	25	0
Albury....	c	63	34	0
Bodalla....	b	69	30	0
Cooma....	c	66	27	0
Eden.....	c	60	42	0·01

Stations.	wt	M	M2	R in
M ss V'l	c	55	40	0
Euston	g	—	—	0
G'lb'rn	b	63	34	0
Wagga.	g	64	27	0
C. Goo.	c	62	47	0

AS 9 30·23 F 59 *Curve showing state of Barometer.*

Pt Ay Ea CB A Re P M WP Go E Ma CG Wg S N PM C B R CT

·4 ·2 30·0 ·8 ·6

Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.

If it is CALM, the symbol is used without the arrow.

smooth. heavy. very heavy.

52 30·23 F 0 B

CLOUDY GENERALLY ON S COAS

W 14 30·36 F 53

46 30·35 F 0 D

43 30·12R 14 A

61 8 A 18 57 Re 53 13 53 8 52 8 P M CO 53 8 WP 8 50 Go 18 50 E 14 49 Ma 14 49 CG 28 55 Wg 14 48 S 6 49 N 14 54 PM 14 51 G 14 51 B 56 R 56

TIME BALL
Drops at 9 p.m. S.M.T. or 2h. 55m. 9·19s. a.m. Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

W E S

Barometer has fallen about 0·03 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. AUG'ST 5 1894

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long.* 10*h.* 4*m.* 50·81*s. E.*

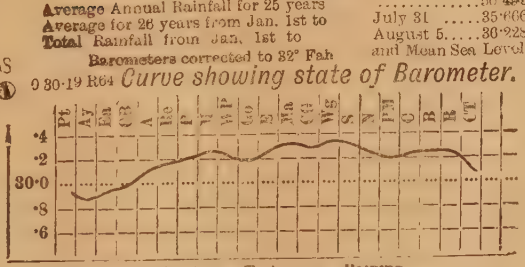
Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to July 31 .....35·666.
Total Rainfall from Jan. 1st to August 5.....30·228.
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	wt	M'x	M'n	R in
Casino...	—	—	—	—
T'nt'rfield	b	65	41	0
Clarence.	b	73	48	0
Moree....	c	78	49	0
Grafton..	b	77	43	0
Gl'n Inn's	n	62	44	0
Inverell..	b	61	31	0
Bourke ..	c	71	52	0
Narrabri.	b	69	36	0
Armidale	b	65	43	0
B'ndem'r.	n	45	31	0
Gunned'h	c	63	40	0
C'namble	u	—	—	0
Lismore..	b	72	46	0
Walcha ..	n	57	28	0
Tamw'rth	b	67	33	0
Coonab'n	c	62	31	0
P.M'cqrie	u	67	48	0
W'lcannia	u	—	—	0
M'rr'rndi	b	60	38	0
Taree....	c	68	43	0
Cassilis ..	b	—	36	0
M'ss'lbr'k	b	64	38	0
Dubbo....	o	70	36	0
Menindie.	u	70	50	0
Singleton	b	62	42	0
N'ls'n's B.	g	73	49	0·52
18 5				
Mudg	g	75	30	0
Maitland.	u	—	43	0
Hill End.	n	—	—	0
N'wcastle	b	66	51	0
Orange ..	g	55	33	0
Bathurst.	n	63	29	0
Forbes...	b	63	29	0
M. V't'ria	c	56	40	0
Carcoar..	n	53	34	0
Cond'b'l'n	g	44	36	0
Marsdens	n	63	41	0
Picton...	b	63	37	0
Sydney ..	c	62	47	0·01
Wentw'th	g	72	50	0
Young....	g	60	34	0
Woll'g'ng	c	70	45	0
Taralga..	f	71	30	0
Hay.....	c	74	45	0

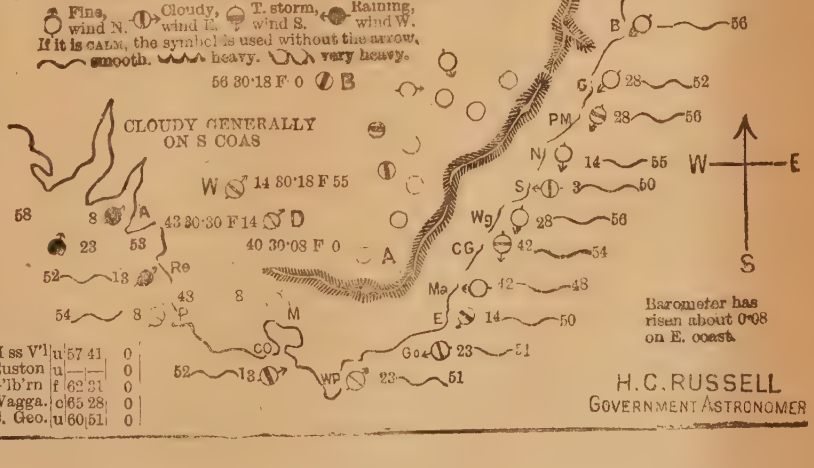
Stations.	wt	M	m	R
Queanbey'n	b	66	38	0
Deniliquin.	u	72	34	0
Moruya....	c	65	43	0
Kiandra...	n	42	30	0
Albury	b	64	36	0
Bodalla....	b	68	34	0
Cooma	n	63	23	0
Eden.....	c	31	45	0
M'ss V'l	u	57	41	0
Euston	u	—	—	0
G'lb'rn	f	62	31	0
Wagga.	c	65	28	0
C. Geo.	u	60	51	0

Curve showing state of Barometer.

AS 9 30·19 R64



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.



TIME BALL
Drops at 1 p.m. S MT
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°36′37″ E.

Barometer has risen about 0·08 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. AUG'ST 6 1884

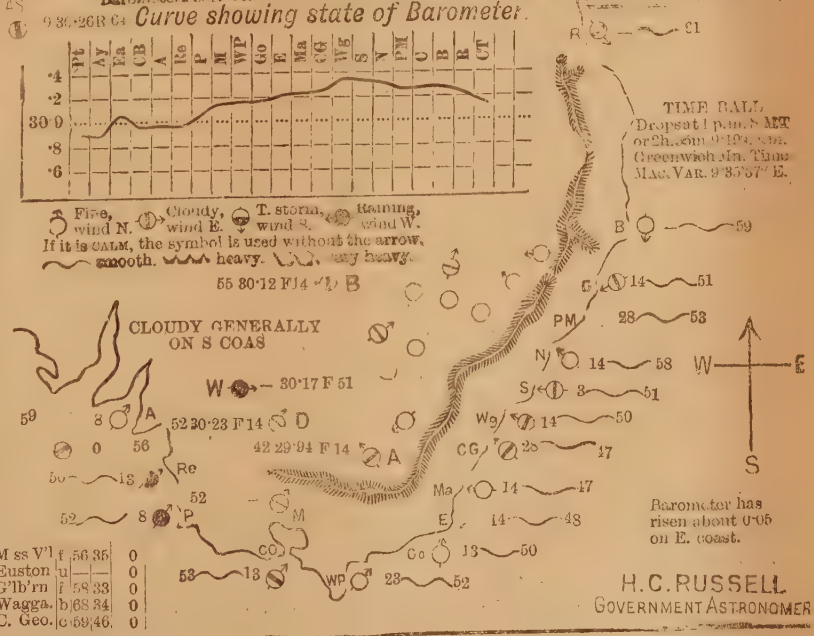
Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to July 31 .....35·666.
Total Rainfall from Jan. 1st to August 6 .....36·326.
Barometers corrected to 32° Fah. and Mean Sea Level.

Stations.	wt	M'x	M'r	R in
Casino ...	b	70	43	0
T'nf'rfield	b	64	33	0
Clarence..	g	72	50	0·01
Moree....	c	75	49	0
Grafton	b	68	41	0
Gl'n Inn's	b	63	40	0
Inverell..	b	61	28	0
Bourke ..	g	72	53	0
Narrabri.	b	67	35	0
Armidale	b	67	45	0
Bindem'r.	b	42	31	0
Gunned'h	b	63	43	0
C'namble	—	—	—	—
Lismore..	c	68	49	0·05
Walcha ..	f	52	36	0
Tamw'rth	b	65	36	0
Coomb'n	n	62	28	0
P. M'cqrie	c	61	46	0·21
W'lcannia	g	—	—	0
M'rr'ndi	b	57	37	0
Teree....	b	60	45	0·11
Cassilis ..	b	—	38	0
M'ss'lbr'k	b	65	37	0
Dubbo. ..	b	66	38	0
Menindie.	r	74	50	0
Singleton	b	60	41	0
N'ls'n's B.	b	78	46	0
8 59 Mudg	b	71	32	0
Maitland.	b	—	40	0·05
Hill End.	g	—	—	0
N'weastle	b	66	46	0
Orange ..	c	53	34	0
Bathurst.	c	61	29	0
Forbes. ..	b	60	28	0
M.V'ct'ria	g	50	37	0
Carcoar..	b	52	39	0
Cond'b'l'n	c	52	43	0
Marsdens	n	66	41	0
Picton...	g	60	38	0
Sydney ..	g	59	50	0·10
Wentw'th	r	78	49	0·09
Young. ..	c	80	38	0
Woll'g'ng	c	69	41	0·05
Taralga..	f	66	33	0
Hay.....	u	71	42	0

Stations.	wt	M'x	M'r	R in
Qeaunbey'n	b	56	35	0
Deniliquin.	u	65	40	0
Moruya. ..	c	63	42	0
Kiandra ...	n	55	30	0
Albury	u	63	39	0
Bodalla	b	69	31	0
Cooma .. .	n	67	26	0
Eden	c	60	43	0



METEOROLOGY.

9 A.M. AUG'ST 7 1884

Sydney Observatory.

Lat. 33° 51 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to July 31 .... 35·666.
Total Rainfall from Jan. 1st to August 7....36·335.
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	wt	m	x	m	R	in
Casino..	b	69	43		0	
T'nt'rfield	c	60	33		0	
Clarence.	b	72	53		0	
Moree....	g	72	51		0	
Grafton .	f	75	42		0	
Gl'n Inn's	c	61	42		0	
Inverell..	b	61	29		0	
Bourke .	u	74	51		0	
Narrabri.	u	67	37		0	
Armidale.	b	63	47		0	
B'ndem'r.	b	45	35		0	
Gunned'h	c	64	43		0	
C'namble	r	—	—		0	
L'smore..	b	67	48		0	
Walcha..	b	55	38		0·01	
Tamw'rth	b	66	38		0	
Coonab'n	r	64	31		0·05	
P.M'cqrie	b	65	45		0	
W'lcannia	b	—	—		0	
M'rr'ndi	b	58	29		0	
Taree....	b	—	44		0	
Cassilis ..	f	—	37		0	
M'ss'lbr'k	b	63	43		0	
Dubbo ..	u	70	47		0	
Menindie.	b	59	48		0	
Singleton	b	60	41		0	
N'ls'n's B.	b	76	47		0	
23 60 Mudg	u	71	34		0	
Maitland.	b	71	35		0	
Hill End.	p	—	—		0	
N'wcastle	b	62	48		0	
Orange ..	-	—	—		—	
Bathurst.	u	61	32		0	
Forbes...	p	59	29		0	
M.V'ct'ria	u	52	42		0	
Carcoar..	u	53	43		0	
Cond'b'l'n	p	51	47		0·18	
Marsdens	-	—	—		—	
Picton...	c	59	35		0	
Sydney ..	c	59	46		0	
Wentw'th	f	64	40		0·02	
Young...	u	75	43		0	
Woll'g'ng	g	71	41		0	
Taralga..	b	68	35		0	
Hay.....	u	69	50		0·12	

Stations.	WT	M		
Qeaunbey'n'	g	54	36	0·02
Deniliquin.	u	66	46	0·45
Moruya....	g	63	41	0
Kiandra...	u	54	20	0
Albury	r	68	42	0·30
Bodalla....	g	68	32	0
Cooma	n	64	27	0
Eden.....	c	58	44	0

0 30·30 R

Curve showing state of Barometer.

Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.

57 30·04 F 0 B

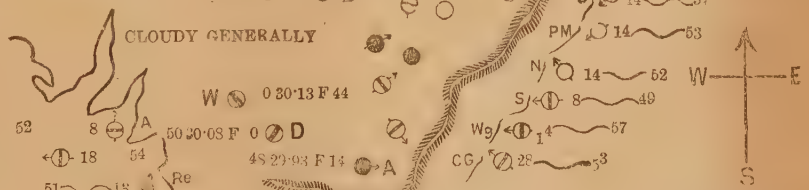
CLOUDY GENERALLY

W 0 30·13 F 44

50 30·08 F 0 D

48 29·93 F 14 A

TIME BALL
Drops at 1 p.m. S.M.T. or 2h.55m.9·1s.a.m. Greenwich Mn. Time
MAG. VAR. 9°25'37″ E.



Barometer has fallen about 0·13 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. AUGUST 8 1894

Sydney Observatory.

Lat. 33° 51′ 41″ S. ; *Long.* 10*h.* 4*m.* 50·21*s.* E.

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to July 31 .....35·660.
Total Rainfall from Jan. 1st to August 8....36·619.
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	wt	Max	Min	Rain
Casino ...	u	74	43	0
T'nt'rfield	r	59	32	0·24
Clarence .	g	72	55	0·10
Moree....	u	60	51	0·13
Grafton ..	b	75	43	0
Gl'n Inn's	r	57	46	0·70
Inverell ..	r	61	35	0·48
Bourke ..	g	71	51	0
Narrabri.	c	63	35	0·25
Armidale	c	69	49	0·42
B'ndem'r.	u	51	33	0·20
Gunned'h	f	62	49	0·55
C'namble	r	—	—	—
Lismore..	c	72	53	0
Wakha ..	c	52	38	0·03
Tamw'rth	c	62	39	0·31
Coonab'n	b	62	32	0·42
P.M'cqrie	b	66	49	0
W'lcannia	—	—	—	—
M'rr'mdi	c	58	40	0·75
Taree....	b	66	44	0·04
Cassilis ..	g	—	40	0
M'ss'lbr'k	c	68	47	0·47
Dubbo. ..	u	58	44	0·66
Menindie.	b	68	47	0·04
Singleton	b	60	45	0·25
N'ls'n's P.	c	74	53	0·15
Mudg	u	54	37	0·75
Maitland.	b	—	44	0·20
Hill End.	b	—	—	0·52
N'wcastle	b	64	50	0·20
Orange ..	c	48	41	0·60
Bathurst.	g	51	38	0·42
Forbes. ..	g	59	30	0·25
M. V'ct'ria	c	52	40	0·33
Carcoar..	u	50	43	0·30
Cond'b'l'n	b	48	41	0·16
Marsdens	c	60	48	0·30
Picton...	c	61	39	0·21
Sydney ..	b	60	47	0·18
Wentw'th	b	68	37	0
Young...	u	61	46	0·24
Wolf'g'ng	b	73	43	0·02
Taralga..	b	60	28	0·40
Hay	b	62	41	0
M'ss V'l	c	56	41	0·22
Euston	b	—	—	0
G'lb'rn	b	58	38	0·22
Wagga.	u	54	41	0·32
C. Geo.	b	61	46	0·04

Stations.	wt	Max	Min	Rain
Queanbey'n	c	51	41	0·28
Deniliquin.	b	61	41	0·02
Moruya....	b	63	43	0·29
Kiandra...	g	41	31	1·05
Albury	u	58	47	0·55
Bodalla....	b	67	34	0·25
Cooma	n	56	28	0·17
Eden	c	58	44	0

Curve showing state of Barometer.

Pt Ay Ea CB A Re P M WP Go E Ma CG Wg S N PM C B B CT

·4
·2
30·0
·8
·6

Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow,
smooth. heavy. very heavy.

49 29·98 F 0

CLOUDY GENERALLY

W 14 30·06 F 44

46 29·94 F 14

48 29·82 F 14

TIME BALL
Drops at 1 p.m. S.M.T.
or 2h. 55m. 9·19s. p.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

Barometer has fallen about 0·27 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. AUG'ST 9 1884

Sydney Observatory.

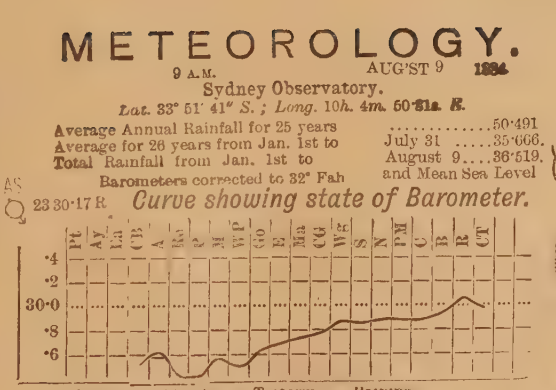
Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to July 31 .....35·666.
Total Rainfall from Jan. 1st to August 9....36·519.
Barometers corrected to 32° Fah and Mean Sea Level

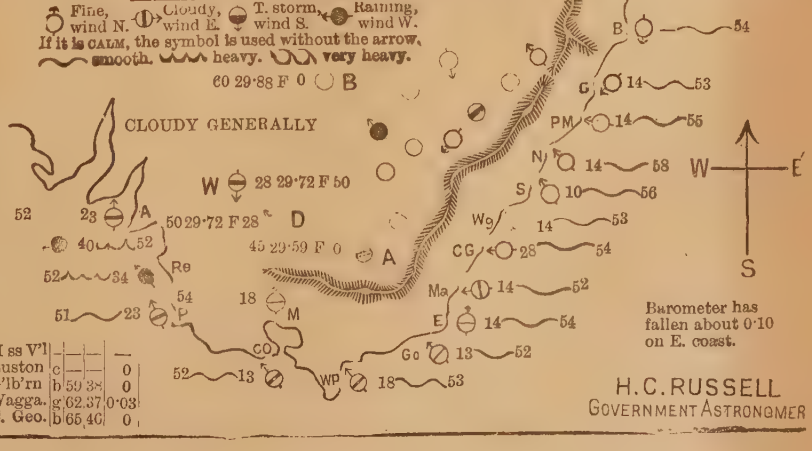
Stations.	wt	M'x	Mn	R in
Casino...	b	72	39	0
T'nt'rfield	b	58	33	0·15
Clarence.	b	76	50	0·59
Moree....	b	72	45	0·03
Grafton..	b	75	43	0
Gl'n Inn's	b	52	40	0·21
Inverell..	b	59	38	0·23
Bourke ..	b	71	47	0
Narrabri.	b	66	38	0
Armidale	g	71	49	0·04
B'ndem'r.	g	49	29	0
Gunned'h	b	64	43	0·03
C'namble	b	—	—	0
Lismore..	-	—	—	—
Wakcha..	c	55	37	0·01
Tamw'rth	b	60	38	0·10
Coonab'n	b	64	31	0
P.M'cqrie	b	69	55	0
W'kcannia	b	—	—	0
M'rr'mdi	b	57	44	0
Taree....	b	70	45	0
Cassilis..	b	—	48	0
M'ss'lbr'k	b	64	43	0
Dubbo...	m	65	37	0
Menindie.	b	68	47	0
Singleton	b	63	47	0
N'ls'n's B.	b	75	49	0
Mudg	f	69	30	0
Maitland.	b	—	45	0
Hill End.	b	—	—	0·15
N'wcastle	b	66	50	0
Orange ..	c	59	38	0·01
Bathurst.	b	53	34	0
Forbes...	b	61	29	1·07
M.V'ct'ria	b	52	40	0
Carcoar..	b	52	44	0
Cond'b'l'n	r	51	44	0·01
Marsdens	c	62	46	0·02
Picton...	c	61	34	0
Sydney ..	b	64	50	0
Wentw'th	c	70	41	0
Young...	c	63	39	0·02
Wol'g'ng	b	69	48	0
Taraiga..	b	68	38	0
Hay.....	u	66	43	0

Stations.	wt	M'x	Mn	R'in
Queanbey'n	b	54	39	0
Deniliquin.	b	64	43	0
Moruya....	c	68	44	0
Kiandra...	c	40	32	0·44
Albury	u	58	44	0·25
Bodalla....	c	69	36	0
Cooma	c	59	38	0
Eden.....	c	59	44	0
Mss V'l	-	—	—	—
Euston	c	—	—	0
G'lb'rn	b	59	38	0
Wagga.	g	62	37	0·03
C. Geo.	b	65	46	0

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.



Barometer has fallen about 0·10 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. AUGUST 1 1888

Sydney Observatory.

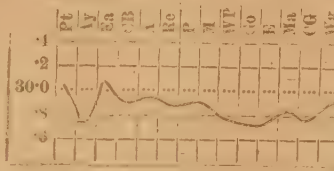
Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years ... 50·491
Average for 26 years from Jan. 1st to July 31 ... 35·666.
Total Rainfall from Jan. 1st to August 11 ... 36·522.
Barometers corrected to 32° Fah. and Mean Sea Level

Stations.	W	M	V	M	R	M
Casino..	b	74	41			
Tuttrfield	b	65	52		0	
Clarence..	c	74	50		0	
Moree....		—		—		
Gratton..	b	81	46		0	
Glen Inn's	b	57	45	0·11		
Inverell..	b	60	34		0	
Bourke..	b	73	46		0	
Narrabri.	b	66	37	0·05		
Armadale	b	65	47	0·12		
Bindemr.	b	53	36		0	
Gunned'h	b	63	59	0·16		
Chamble	o	—	—		0	
Lismore..	b	78	46		0	
Walcha..	b	56	39		0	
Tamw'rth	b	64	41		0	
Coonab'n	b	[illegible]				
Pilliquine	b	72	44		0	
Wilcannia	b	—	—		0	
Mirrindi	c	58	45	0·60		
Tarcoola..	b	71	40		0	
Cassilis	o	—	46		0	
Mt Gibr's	b	67	47		0	
Dubbo	b	66	42	0·11		
Menindie	b	65	46		0	
Singleton	b	65	46		0	
Nels'n's B.	b	76	48		0	
Mudg	g	66	30	0·17		
Maitland	b	—	45		0	
Lt'n End.	u	—	—	0·10		
Newcastle	b	68	51		0	
Orange	c	52	40	0·15		
Bathurst	g	58	40	0·34		
Forbes	b	59	30		0	
Mt Vic'n	c	52	41	0·12		
Carcoar	u	53	43	0·70		
Condob'n	b	50	45		0	
Marsden	b	61	47	0·12		
Picton...	b	65	43		0	
Sydney..	b	66	49		0	
Wentw'th	b	65	38		0	
Young...	u	64	44	0·40		
Woll'ng	b	76	49		0	
Taralga..	g	54	38		0	
Hay....	c	66	40	0·07		

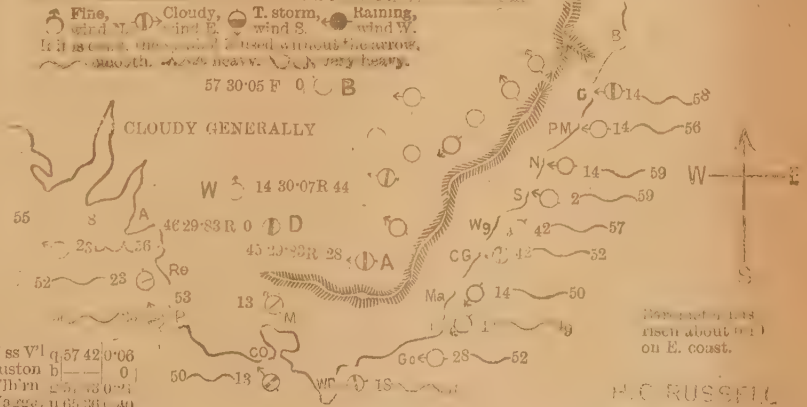
Stations	W	M	V	M	R	M
Qeanbey'n	b	55	41	0·34		
Deniliquin.	u	64	38	0·05		
Moruya....	b	60	41		0	
Kiandra...	s	40	31		0	
Albury	u	60	41	0·10		
Bodalla..	b	71	51		0	
Cooma..	c	[illegible]				
Eden....	c	68	[illegible]			

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is [illegible] used without the arrow.
smooth. very heavy. very heavy.

TIME BALL
[illegible] SEPT
[illegible]
[illegible] Time
MAG. VAR. 9°35′37″ E.



Barometer has risen about [illegible] on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. AUG'ST 12 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long.* 10*h.* 4*m.* 50·51*s. E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to July 31 .....35·666.
Total Rainfall from Jan. 1st to August 12....36·522.
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	wt	M'x	Mn	R in
Casino...	b	79	39	0
T'nt'rfield	b	60	35	0
Clarence..	b	75	50	0
Moree....	b	74	41	0
Grafton..	b	79	41	0
Gl'n Inn's	n	57	37	0
Inverell..	b	57	31	0
Bourke ..	b	71	44	0
Narrabri.	b	65	36	0
Armidale.	b	54	43	0
B'ndem'r.	b	42	31	0
Gunned'h	–	—	—	—
C'namble	b	—	—	0
Lismore..	b	75	44	0
Walcha ..	n	54	29	0
Tamw'rth	b	61	31	0
Coonab'n	b	62	26	0
P.M'cqrie	b	66	45	0
W'leannia	b	—	—	0
M'rr'mdi	b	57	39	0
Tarec....	b	70	42	0
Cassilis ..	o	—	37	0
M'ss'lbr'k	b	65	47	0
Dubbo....	b	67	34	0
Menindie.	c	70	58	0
Singleton	b	55	43	0
N'ls n's R.	c	57	45	0
— 55				
Mudg	b	68	28	0
Maitland.	n	—	41	0
Hill End..	b	—	—	0
N'wcastle	b	68	48	0
Orange ..	n	51	31	0
Bathurst.	b	54	30	0
Forbes..	b	66	34	0
M.V'ct'ria	b	49	37	0
Carcoar..	n	52	32	0
Cond'b'l'n	g	53	41	0
Marsdens	n	61	43	0
Picton....	n	61	32	0
Sydney ..	b	64	44	0
Wentw'th	u	67	41	0
Young....	c	64	34	0
Woll'g'ng	b	69	44	0
Taralga..	b	58	35	0
Hay.....	u	62	43	0

Stations.	wt	M'x	Mn	R'in
Qcaunbey'n	n	54	35	0
Deniliquin.	p	61	41	0·10
Moruya....	b	70	40	0
Kiandra...	n	40	17	0
Albury	q	54	32	0·06
Bodalla....	b	72	29	0
Cooma	n	61	21	0
Eden.....	b	62	48	0

AS 0 30 21 F 07 *Curve showing state of Barometer.*

PT Ay Ea CB A Re P M WP Go E Ma Ce We S N PM C B R CT

·4 ·2 30·0 ·8 ·6

Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow,
smooth. heavy. very heavy.

56 30·11 R 0 B

CLOUDY GENERALLY

W 14 30·10 R 50

48 30·11 R 0 D

42 29·05 R 13 A

54 A 28 55 52 13 Re 52 28 P 55 23 M 51 18 CO 52 18 WP 18 54 Go 13 52 Ma 14 47 E 14 46 CG 28 51 W9 42 55 S 1 49 N 14 57 PM 14 55 C 56 B 56 R 60

TIME BALL
Drops at 1 p.m. S MT
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

W E S

Barometer has risen about 0·15 on E. coast.

M ss V'l	c	—	—	—
Euston	c	—	—	0·02
G'lb'rn	b	54	33	0
Wagga.	g	61	32	0
C. Geo.	b	60	42	0

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. AUG'ST 13 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to July 31 .....35·666.
Total Rainfall from Jan. 1st to August 13....36 522.
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	wt	M'x	Mn	R in
Casino...	b	74	38	0
T'nt'rfield	b	62	31	0
Clarence.	b	75	49	0
Moree....	b	75	41	0
Grafton..	b	76	41	0
Gl'n Inn's	b	62	38	0
Inverell..	n	58	34	0
Bourke ..	b	71	44	0
Narrabri.	n	64	34	0
Armidale	b	63	44	0
B'rnden'r.	b	48	31	0
Gunned'h	b	64	38	0
C'namble	b	—	—	0
Lismore..	b	73	44	0
Walcha ..	b	57	28	0
Tamw'rth	b	64	34	0
Coomab'n	b	67	28	0
P.M'cqrie	b	70	45	0
W'lcannia	c	—	—	0
M'rr'r'ndi	b	58	42	0
Taree....	b	68	44	0
Cassilis ..	b	—	39	0
M'ss'lbr'k	o	66	41	0
Dubbo...	b	72	35	0
Menindie.	b	75	42	0
Singleton	b	65	46	0
N'ls'n's B.	b	79	67	0
13 62				
Mudg	f	74	31	0·06
Maitland.	b	—	43	0
Hill End.	b	—	—	0
N'wcastle	b	69	51	0
Orange ..	n	54	35	0
Bathurst.	b	60	32	0
Forbes...	b	62	32	0·11
M.V'ct'ria	b	54	44	0
Carcoar..	b	53	41	0
Cond'b'l'n	b	51	43	0
Marsdens	n	66	42	0
Picton...	b	64	34	0
Sydney ..	b	63	48	0
Wentw'th	c	76	37	0
Young...	b	85	36	0
Woll'g'ng	b	76	43	0
Taralga..	b	61	30	0
Hay.....	b	71	37	0

Stations.	wt	M'x	Mn	R'in
Qeaumbey'n	n	54	37	0
Deniliquin.	b	65	36	0
Moruya....	b	65	43	0
Kiandra...	n	45	31	1·62
Albury	f	56	41	0·10
Bodalla....	b	71	32	0
Cooma	n	59	23	0
Eden.....	b	61	45	0
Mss V'l	b	56	41	0
Euston	b	—	—	0
G'lb'rn	b	57	35	0
Wagga.	b	60	34	0
C. Geo.	b	67	47	0

AS 0 30 24 R 66 *Curve showing state of Barometer.*

Pt Ay Ea CB A Re P M WP Go E Ma CG Wg S N PM C B R Ct

30·4 30·2 30·0 29·8 29·6

Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow,
smooth. heavy. very heavy.

54 30·11 S 0 B

CLOUDY GENERALLY

W 14 30·23 R 47

44 30·22 R 0 D

43 30·02 R 0 A

55 13 A 28 55 53 23 Re 55 13 51 23 P M CO 52 18 WP 23 52 Go 13 54 E 14 49 Ma 14 50 CG 14 54 Wg 0 54 S 0 53 N 28 60 PM 55 G 14 54 B 55 R 63

TIME BALL
Drops at 1 p.m. S.M.T.
or 2h.55m.9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

Barometer has risen about 0·10 on E. coast.

H.C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. AUG'ST 14 1884

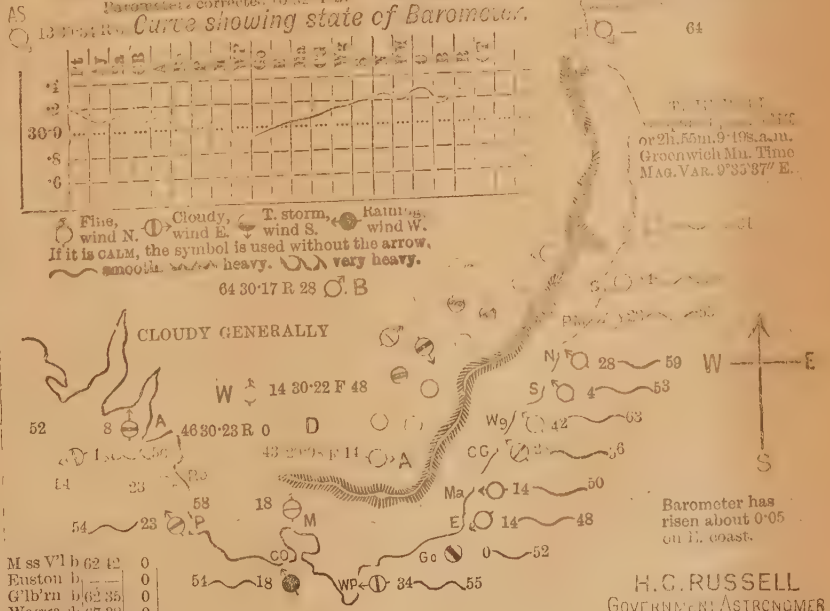
Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 16*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years ..... 50·491
Average for 26 years from Jan. 1st to July 31 .... [illegible]
Total Rainfall from Jan. 1st to August 14 ... [illegible]
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	wt	M'x	MR	R'in
Casino ...	b	75	58	0
T'nt'rfield	b	63	34	0
Clarence .	b	75	48	0
Morce....	c	80	45	0
Grafton..	b	79	44	0
Gr'n Inn's	b	60	39	0
Inverell..	b	61	34	0
Bourke ..	b	76	52	0
Narrabri.	b	69	39	0
Armidale	b	63	45	0
B'ndem'r.	n	46	29	0
Gunned'h	g	66	28	0
C'hamble	g	—	—	0
Lismore..	f	75	43	0
Walcha ..	n	59	27	0
Tamw'rth	b	68	34	0
Coonab'n	u	72	31	0
P.M'cqrie	b	69	46	0
W'lcannia	b	—	—	0
M'rr'r'ndi	c	61	41	0
Taree....	b	68	45	0
Cassilis ..	g	—	—	0
M'ss'ibr'k	g	66	43	0
Dubbo. ..	b	73	39	0
Menindie.	c	73	49	0
Singleton	b	65	42	0
N'ls'n's B.	b	74	46	0
23 58 Mudg	u	74	32	0
Maitland.	b	—	42	0
Hill End.	c	—	—	0
N'weastle	c	73	49	0
Orange ..	b	56	37	0
Bathurst	g	64	35	0
Forbes. ..	g	61	33	0
M.V'ct'ria	b	52	46	0
Carcoar..	b	55	43	0
Cond'b'l'n	c	59	47	0
Marsdens	b	58	46	0
Picton...	c	66	35	0
Sydney ..	c	68	48	0
Wentw'th	b	74	38	0
Young. ..	g	75	42	0
Woll'g'ng	b	73	41	0
Taralga..	b	68	38	0
Hay.....	c	75	41	0

Stations.	wt	M'x	MR	R'in
Qeaunbey'n	n	59	28	0
Deniliquin.	b	69	39	0
Mo[illegible]....	b	71	42	0
Kiandra...	n	55	[illegible]	0
Albury	b	[illegible]	[illegible]	0
Bodal	b	[illegible]	[illegible]	0
Cooma	n	[illegible]	[illegible]	0
Eden.....	c	[illegible]	47	0



M ss V'l	b	62	42	0
Euston	b	—	—	0
G'lb'rn	b	62	35	0
Wagga.	b	67	38	0
C. Geo.	c	69	51	0

Barometer has risen about 0·05 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. AUG'ST 15 1884

Sydney Observatory.

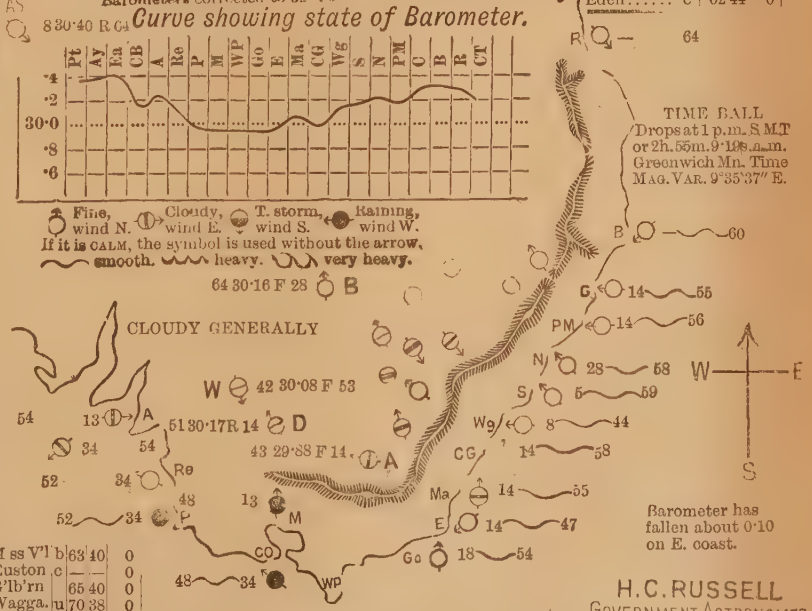
Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to July 31 .....35·666
Total Rainfall from Jan. 1st to August 15....36·522.
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	wt	M'x	MN	R in
Casino....	b	77	39	0
T'nt'rfield	b	62	34	0
Clarence.	b	76	50	0
Moree....	b	79	45	0
Grafton..	b	81	46	0
Gl'n Inn's	b	67	38	0
Inverell..	b	61	35	0
Lourke..	b	78	53	0
Narrabri.	b	72	40	0
Armidale	b	59	45	0
B'ndem'r.	b	52	30	0
Gunned'h	b	65	40	0
C'namble	b	—	—	0
Lismore..	—	—	—	—
Walcha..	n	61	28	0
Tamw'rth	b	69	35	0
Coomab'n	b	71	29	0
P.M'cqrie	b	62	46	0
W'lcannia	b	—	—	0
M'rr'r'ndi	b	63	44	0
Taree....	b	73	48	0
Cassilis..	b	—	35	0
M'ss'lbr'k	b	65	41	0
Dubbo...	b	75	34	0
Menindie.	b	75	51	0
Singleton	b	63	43	0
N'ls'n's B.	c	74	49	0
0 57 Mudg	n	76	29	0
Maitland.	b	—	41	0
Hill End.	b	—	—	0
N'wcastle	b	71	52	0
Orange..	g	58	35	0
Bathurst	b	66	33	0
Forbes...	g	64	31	0
M.V'ct'ria	b	60	48	0
Carcoar..	b	52	42	0
Cond'b'l'n	u	60	53	0
Marsdens	c	71	49	0
Picton...	n	70	34	0
Sydney..	b	71	52	0
Wentw'th	g	78	43	0
Young...	u	84	44	0
Woll'g'ng	b	78	47	0
Taralga..	b	61	32	0
Hay.....	c	76	43	0

Stations.	wt	M'x	MN	R'in
Qeaunbey'n	b	51	40	0
Deniliquin.	u	74	43	0
Moruya....	c	75	43	0
Kiandra...	c	55	37	0
Albury....	u	62	41	0·02
Bodalla....	b	76	32	0
Cooma....	c	66	27	0
Eden.....	c	62	44	0

Curve showing state of Barometer.



M ss V'l	b	63	40	0
Euston	c	—	—	0
G'lb'rn		65	40	0
Wagga.	u	70	38	0
C. Geo.	b	74	50	0

Barometer has fallen about 0·10 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. AUG'ST 16 1884

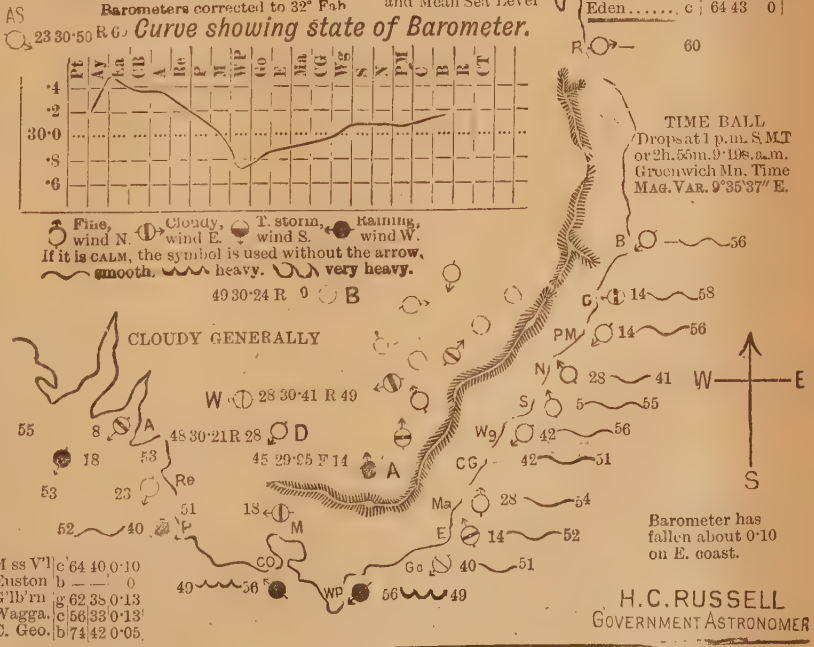
Sydney Observatory.

Lat. 33° 51 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to July 31 .....35·666
Total Rainfall from Jan. 1st to August 16....36·539.
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	Wt	M'x	Mn	R in
Casino ...	–	—	—	—
T'nt'rfield	b	68	34	0
Clarence .	c	73	53	0
Moree....	b	77	49	0
Grafton ..	b	79	44	0
Gl'n Inn's	b	65	44	0
Inverell ..	b	64	40	0
Bourke ...	b	80	50	0
Narrabri .	b	71	42	0
Armidale	b	61	45	0
B'rdem'r.	b	51	36	0
Gunned'h	b	68	46	0·01
C'namble	b	—	—	0
Lismore..	–	—	—	—
Walcha ..	b	61	29	0
Tamw'rth	c	70	38	0
Coonab'n	b	72	31	0
P.M'cqrie	b	71	46	0
W'lcannia	b	—	—	0
M'rr'r'ndi	b	63	43	0
Taree....	b	80	46	0
Cassilis ..	b	–	40	0
M'ss'lbr'k	b	70	47	0
Dubbo. ..	m	73	34	0·06
Menindie.	b	75	47	0
Singleton	b	66	48	0
N'ls'n's B.	b	79	50	0
0 58 Mudg	b	71	32	0·02
Maitland.	b	—	45	0
Hill End .	u	—	—	0·13
N'wcastle	b	75	49	0
Orange ..	u	58	38	0·12
Bathurst	u	65	34	0·10
Forbes. ..	b	62	30	0
M.V'ct'ria	c	49	37	0
Carcoar..	g	54	35	0·10
Cond'b'l'n	b	48	41	0
Marsdens	b	64	45	0
Picton...	b	70	40	0·07
Sydney ...	b	74	49	0·02
Wentw'th	g	65	43	0
Young. ..	g	63	45	0·04
Woll'g'ng	b	83	45	0
Taralga..	c	68	37	0
Hay	c	60	41	0
M ss V'l	c	64	40	0·10
Euston	b	—	—	0
G'lb'rn	g	62	38	0·13
Wagga.	c	56	33	0·13
C. Geo.	b	74	42	0·05

Stations.	W't	M'x	Mn	R'in
Qeaunbey'n	b	61	41	0·22
Deniliquin .	b	64	40	0
Moruya....	c	78	44	0
Kiandra...	s	45	30	0·64
Albury	p	56	37	0·14
Bodalla....	–	—	—	—
Cooma	n	62	31	0·11
Eden.....	c	64	43	0



H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. AUG'ST 18 1884

Sydney Observatory.

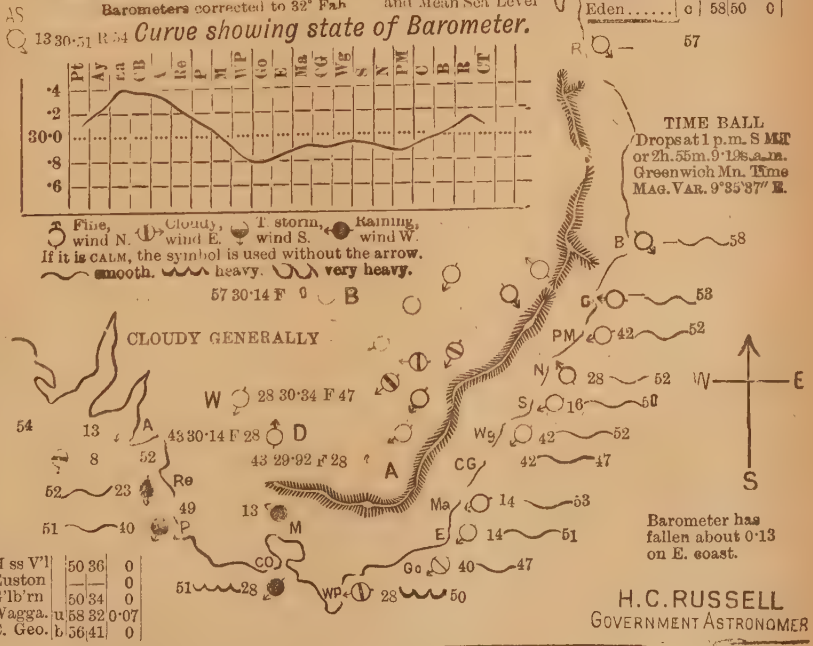
Lat. 33° 51′ 41″ S ; *Long.* 10*h.* 4*m.* 50·81*s.* E.

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to July 31 .....35·666
Total Rainfall from Jan. 1st to August 18....36·540.
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	Wt	M'x	Mn	R in
Qeaunbey'n	n	53	33	0
Deniliquin.	b	63	32	0
Moruya....	b	63	43	0
Kiandra...	g	37	34	0
Albury	c	56	39	0·11
Bodalla....	b	61	31	0
Cooma	n	58	30	0
Eden.....	c	58	50	0

Stations.	Wt	M'x	Mn	R in
asino ...	b	74	38	0
'nt'rfield	b	62	35	0
larence.	b	71	49	0
loree....	b	68	39	0
rafton..	b	81	43	0
l'n Inn's	b	60	38	0·07
nverell..	b	63	31	0
ourke ..	b	66	49	0
arrabri.	b	70	41	0
rmidale	b	64	41	0·06
'ndem'r.	u	45	35	0·02
unned'h	b	58	38	0
'namble	b	—	—	0
lsmore..	b	72	44	0
Valcha ..	c	49	34	0·06
amw'rth	b	56	38	0
oonab'n	c	52	31	0
P.M'cqrie	o	62	43	0
V'lcannia	g	—	—	0
Irr'r'ndi	c	58	42	0
aree....	b	65	42	0
assilis ..	b	—	42	0
l'ss'lbr'k	b	65	42	0
Dubbo. ..	p	56	35	0
lenindie.	b	61	49	0·02
ingleton	b	63	46	0
v'ls'n's B.	b	78	45	0
8 57				
Mudg	b	65	35	0
laitland.	b	—	41	0·03
Hill End.	u	—	—	0
N'wcastle	b	62	42	0
Orange ..	c	43	35	0·05
Bathurst	g	52	35	0
Forbes. ..	g	50	32	0
L.V'ct'ria	b	42	35	0
Carcoar..	u	50	40	0·17
Cond'b'l'n	b	44	39	0
Marsdens	b	59	43	0
Picton...	b	57	45	0
Sydney ..	b	59	46	0
Wentw'th	c	63	44	0
Young. ..	u	62	40	0
Woll'g ng	b	67	44	0
Taralga..	b	61	35	0·67
Hay	b	64	39	0

M ss V'l		50	36	0
Euston		—	—	0
G'lb'rn		50	34	0
Wagga.	u	58	32	0·07
C. Geo.	b	56	41	0



METEOROLOGY.

9 A.M. AUGUST 19 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S* ; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

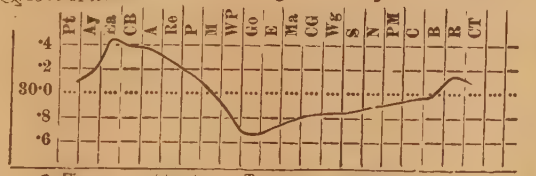
Average Annual Rainfall for 25 years	50·491
Average for 26 years from Jan. 1st to July 31	35·666
Total Rainfall from Jan. 1st to August 19	36·540.

Barometers corrected to 32° Fah and Mean Sea Level

Stations.	wt	M'x	Mn	R in
Casino	b	74	39	0
Tint'rfield	b	61	37	0
Clarence	c	69	43	0
Masee	g	67	35	0
Grafton	b	73	41	0
Gl'n Inn's	b	52	38	0
Inverell	o	60	28	0
Bourke	b	65	47	0
Narrabri	c	59	39	0
Armidale	c	62	43	0
B'riden'r	p	42	35	0·01
Gunned'h	c	59	42	0
C'namble	b	—	—	0
Lismore	–	—	—	—
Walcha	u	48	36	0
Tamw'rth	c	57	40	0
Coonab'n	c	57	36	0
P.M'qurie	b	65	42	0
W'lcannia	b	—	—	0
M'rr'ndi	c	54	43	0·08
Taree	b	66	40	0
Cassilis	c	–	43	0
M'ss'lbr'k	b	63	43	0
Dubbo	c	61	41	0
Menindie	b	61	44	0
Singleton	b	60	48	0
N'ls'n's R.	q	75	49	0
13 59 Mudg	u	64	34	0
Maitland	b	—	41	0
Hill End	u	—	—	0·52
N'wcastle	b	64	49	0
Orange	u	44	33	0·10
Bathurst	g	50	35	0·07
Forbes	g	53	34	0·13
M. V'ct'ria	g	47	32	0
Carooar	s	42	33	0·12
Cond'b'l'n	u	43	39	0
Marsdens	u	58	41	0·02
Picton	b	57	44	0
Sydney	b	60	47	0
Wentw'th	b	64	36	0
Young	n	62	38	0·25
Woll'g'ng	b	70	42	0
Taralga	b	61	30	0
Hay	b	65	32	0
M ss V'l l	b	50	36	0
Euston	b	—	—	0
G'lb'rn	b	50	34	0
Wagga	u	55	34	0·02
C. Geo.	c	—	—	0

Stations.	wt	M'x	Mn	R'in
Queanbey'n	b	51	36	0
Deniliquin	b	61	36	0·09
Moruya	c	65	43	0·07
Kiandra	c	45	22	0
Albury	c	56	39	0·12
Bodalla	b	71	37	0·07
Cooma	n	57	28	0·12
Eden	u	58	44	0

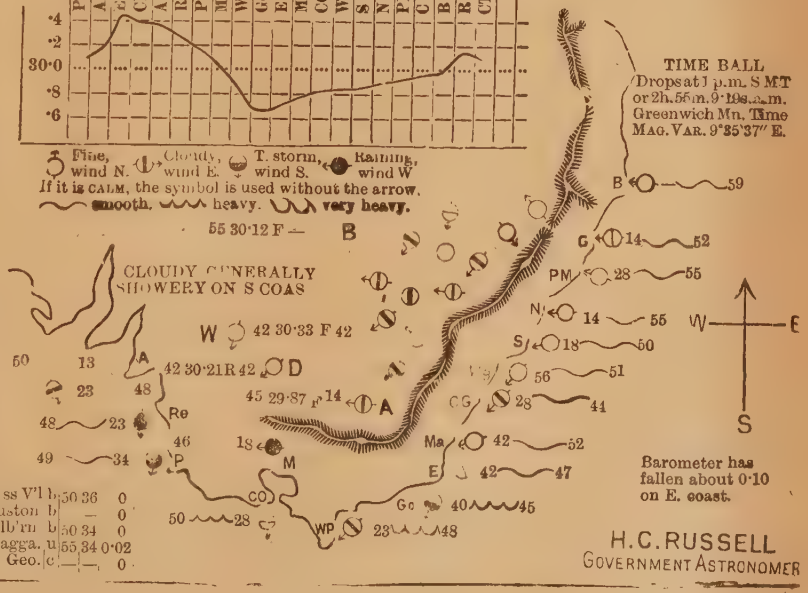
Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.

If it is CALM, the symbol is used without the arrow.

smooth. heavy. very heavy.



TIME BALL
Drops at 1 p.m. S MT
or 2h.55m.9·19s.a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

Barometer has fallen about 0·10 on E. coast.

H.C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. AUG ST 20 1884

Sydney Observatory.

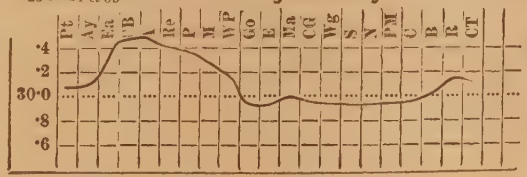
Lat. 33° 51′ 41″ S.; *Long.* 10*h.* 4*m.* 50·81*s.* E.

Average Annual Rainfall for 25 years ..... 50·491
Average for 26 years from Jan. 1st to July 31 ..... 35·666
Total Rainfall from Jan. 1st to August 20.... 36 540.
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	wt	M'x	Mn	R in
Casino...	b	68	37	0
T'nt'rfield	b	64	35	0
Clarence.	b	70	48	0
Moree....	b	65	40	0
Grafton..	b	71	41	0
Gl'n Inn's	b	49	41	0·02
Inverell..	b	57	36	0
Bourke ..	b	63	42	0
Narrabri.	b	59	39	0
Armidale	u	61	45	0
B'nden'r.	u	44	27	0·01
Gunned'h	–	—	—	—
C'namble	b	—	—	0
Lismore..	b	68	51	0
Walcha..	u	47	44	0·02
Tamw'rth	c	55	40	0
Coonab'n	c	57	36	0
P.M'cqrie	b	67	45	0
W'lcannia	b	—	—	0
M'rr'r'ndi	b	52	42	0
Taree....	b	66	49	0
Cassilis ..	b	–	39	0
M'ss'lbr'k	b	59	45	0
Dubbo. ..	c	55	39	0
Menindie.	b	61	44	0
Singleton	b	54	48	0
N'ls'n's B.	c	71	58	0
18 55 Mudg	g	54	35	0·03
Maitland.	c	—	40	0
Hill End.	u	—	—	0
N'wcastle	g	61	50	0
Orange ..	–	—	—	—
Bathurst	b	44	36	0
Forbes...	g	54	31	0
M. V'ct'ria	b	47	38	0
Carcoar..	g	42	38	0·13
Cond'b'l'n	u	45	40	0
Marsdens	–	—	—	—
Picton...	c	56	43	0
Sydney ..	u	57	51	0
Wentw'th	b	60	37	0
Young. ..	b	56	33	0
Woll'g'ng	c	66	46	0
Taralga..	c	66	35	0
Hay.....	b	59	38	0

Stations.	wt	M'x	Mn	R'in
Queanbey'n	g	60	40	0
Deniliquin.	b	58	35	0
Moruya....	u	70	47	0·15
Kiandra...	c	48	19	0
Albury	u	55	32	0
Bodalla....	u	63	43	0·19
Cooma	g	50	37	0·17
Eden.....	p	55	49	0·03
M ss V'l	u	47	38	0
Euston	b	—	—	0
G'lb'rn	g	47	35	0
Wagga.	c	54	33	0
C. Geo.	p	59	46	0·04

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.

CLOUDY GENERALLY

TIME BALL
Drops at 1 p.m. S MT
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9° 35′ 87″ E.

Barometer has risen about 0·15 on E. coast.

H.C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

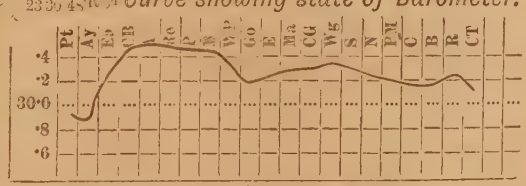
9 A.M. AUG'ST 21 1884.

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 25 years from Jan. 1st to July 31 .....35·666
Total Rainfall from Jan. 1st to August 21....36·858
Barometers corrected to 32° Fah and Mean Sea Level

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow,
smooth. heavy. very heavy.

Stations.	wt	M'x	Mn	R in
Casino ...	b	73	34	0
Tent'field	b	63	36	0
Clarence .	c	72	46	0
Moree....	b	67	40	0
Grafton..	b	73	41	0
Gl'n Inn's	c	51	40	0
Inverell..	b	56	30	0
Bourke ..	b	66	43	0
Narrabri.	b	64	41	0
Armidale	g	61	44	0
B'ndem'r.	u	47	35	0
Gunned'h	b	62	38	0
C'ramble	–	—	–	—
Lismore..	b	75	43	0
Walcha ..	u	48	36	0
Tamw'rth	b	60	34	0
Coonab'n	b	61	31	0
P.M'cqrie	p	66	49	0
W'lcannia	b	—	–	0
M'rr'r'ndi	u	55	46	0
Taree....	g	64	50	0
Cassilis ..	b	–	35	0
M'ss'lbr'k	u	67	48	0
Dubbo. ..	b	60	31	0
Menindie.	b	60	43	0
Singleton	c	63	49	0
N'ls'n's P.	u	68	47	0·07
Mudg	b	69	30	0
Maitland.	b	—	47	0
Hill End.	b	—	—	0
N'wcastle	q	66	49	0·10
Orange ..	b	47	33	0
Bathurst	b	52	36	0
Forbes. ..	n	57	29	0
M. V'ct'ria	b	49	37	0
Carcoar ..	b	45	37	0
Cond'b'l'n	b	45	38	0
Marsdens	n	60	41	0
Picton. ..	b	58	45	0·92
Sydney ..	g	60	49	0·32
Wentw'th	b	62	35	0
Young. ..	n	72	33	0
Wolf'g'ng	p	63	45	0·05
Taralga ..	b	61	32	0
Hay	b	60	35	0
M ss V'll	u	50	41	0·12
Euston	b	—	—	0
G'lb'rn	b	51	33	0
Wagga.	b	61	28	0
C. Geo.	p	54	47	0·25

Stations.	wt	M'x	Mn	R'in
Qeaunbey'n	b	53	41	0
Deniliquin .	b	62	32	0
Moruya....	c	59	49	0
Kiandra...	n	44	24	0
Albury	b	63	42	0
Bodalla....	u	60	45	0
Cooma	b	49	34	0·07
Eden.....	u	55	46	0·30

TIME BALL
Drops at 1 p.m. S.M.T
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9° 35′ 37″ E.

CLOUDY GENERALLY

Barometer has risen about 0·30 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. AUG'ST 22 1894

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to July 31 .....35·666
Total Rainfall from Jan. 1st to August 22....37·025
Barometers corrected to 32° Fah and Mean Sea Level

0 30·51 R 54

Curve showing state of Barometer.

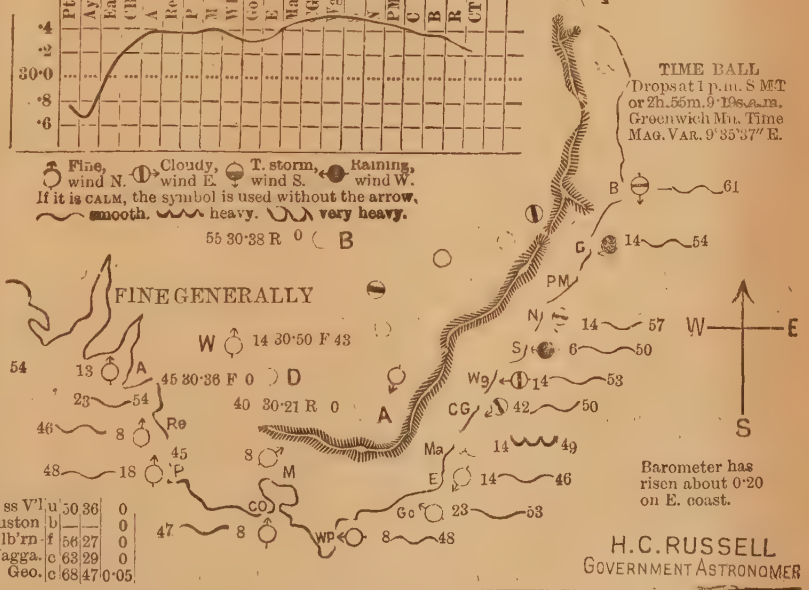
Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow, smooth. heavy. very heavy.

55 30·38 R 0

Stations.	wt	M'x	Mn	R'in
Casino ...	c	70	44	0
T'nt'rfield	n	64	29	0
Clarence .	r	72	50	0
Moree....	b	76	40	0
Grafton...	c	69	42	0
Gl'n Inn's	b	59	40	0
Inverell..	b	59	50	0
Bourke ..	b	68	42	0
Narrabri.	b	63	40	0
Armidale	b	60	44	0
B'denm'r.	u	42	33	0
Gunned'h	c	60	38	0
C'namble	b	—	—	0
Lismore..	c	69	51	0
Walcha ..	g	50	36	0
Tamw'rth		59	35	0
Coonab'n	c	63	25	0
P.M'cqrie	-	—	—	—
W'lcannia	-	—	—	—
M'rr'r'ndi	g	56	45	0
Taree....	b	64	48	0·11
Cassilis ..	b	—	33	0
M'ss'lbr'k	c	65	43	0
Dubbo. ...	b	67	31	0
Menindie.	b	61	39	0
Singleton	b	63	45	0
N'ls'n's R.	g	64	48	0
34 69				
Mudg	b	77	27	0
Maitland.	u	—	45	0
Hill End.	b	—	—	0
N'wcastle	c	84	50	0·28
Orange ..	n	51	31	0
Bathurst	b	60	29	0
Forbes...	b	56	29	0
M.V'ct'ria	b	50	39	0
Carcoar..	n	52	44	0
Cond'b'l'n	c	43	36	0
Marsdens	n	61	41	0
Picton...	c	59	30	0
Sydney ..	d	57	48	0·17
Wentw'th	b	67	33	0
Young. ..	b	72	31	0
Wolf'g'ng	c	67	46	0·05
Taralga..	f	68	32	0
Hay	b	66	33	0

Stations.	wt	M'x	Mn	R'in
Queanbey'n	n	54	35	0
Deniliquin.	b	62	31	0
Moruya....	b	62	40	0
Kiandra...	n	41	9	0
Albury	n	63	35	0
Bodalla....	b	64	32	0
Cooma	f	51	21	0
Eden.....	b	59	46	0·03

Stations.	wt	M'x	Mn	R'in
M ss V'l	u	50	36	0
Euston	b	—	—	0
G'lb'rn	f	56	27	0
Wagga.	c	63	29	0
C. Geo.	c	68	47	0·05



H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. AUGUST 23 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to July 31 .....35·666
Total Rainfall from Jan. 1st to August 23....37·026
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	Wt	M'x	Mn	R'in
Casino...	b	71	49	0·09
T'nt'rfield	b	64	35	0
Clarence.	c	72	50	0·53
Moree....	b	78	43	0
Grafton...	b	74	41	0·08
G'fn Isl's	b	70	46	0
Inverell..	b	60	35	0
Bourke..	b	70	44	0
Narrabri.	b	62	41	0
Armidale	b	65	49	0
Pendenn'.	n	65	31	0
Gunned'h	–	—	—	—
C'namble	b	—	—	0
Lismore..	c	69	55	0
Walcha..	f	56	53	0
Tamw'rth	b	65	34	0
Coonab'n	n	67	23	0
P.M'cqrie	b	65	45	0
W'lcannia	–	—	—	—
M'rr'r'ndi	b	58	37	0
Taree....	b	66	43	0
Cassilis..	b	–	32	0
M'ss'lbr'k	b	63	43	0
Dubbo. ..	b	69	32	0
Menindie.	b	68	39	0
Singleton	b	62	41	0
N'ls'n's B.	c	78	45	0
48	69			
Mudg	n	71	26	0
Maitland.	b	—	41	0
Hill End.	b	—	—	0
N'wcastle	b	63	49	0
Orange ..	n	53	30	0
Bathurst	b	60	27	0
Forbes...	b	58	29	0
M. V'ct'ria	b	52	40	0
Carcoar..	b	52	41	0
Cond'b'l'n	n	64	39	0
Marsdens	–	—	—	—
Picton...	b	62	38	0
Sydney ..	b	61	43	0
Wentw'th	c	72	39	0
Young. ..	b	71	31	0
Wolf'g'ng	b	66	41	0
Taralga..	n	69	31	0
Hay.....		68	39	0

Stations.	Wt	M'x	Mn	R'in
Queambey'n	n	55	35	0
Deniliquin.	u	58	35	0
Moruya....	c	62	37	0
Kiandra...	n	55	20	0
Albury	b	64	35	0
Bodalla....	c	56	20	0
Cooma	n	63	29	0
Eden.....	c	59	41	0

AS 8 30·31 F 6. *Curve showing state of Barometer.*

Fe Ap Ja Oc Ju Se Fe Ma Ap My Jn Jy Au Se Oc No De Ja Fe Ma Ap My Jn Jy Au

·4 ·2 30·0 ·8 ·6

Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow,
smooth. heavy. very heavy.

58 30·30 F 0 B

FINE GENERALLY

W 14 30·29 F 44

60 13 A 48 30·31 F 14 D

43 30·41 F A

M'ss V'l	b	57	36
Euston	c	—	—
G'lb'rn	n	63	28
Wagga.	c	67	31
C. Geo.	b	63	46

TIME BALL
Drops at 1 p.m. S.M.T.
or 2h. 30m. 7·5s. p.m.
Greenwich Mn. Time
MAG. VAR. 9 35·7 E.

R 61 B 63 G 54 PM 14 55 N 28 52 S 0 47 W E S Wg 28 59 CG 42 52 Ma 14 50 E 14 45 Go 13 51 WP 18 56 M 23 55 56 23 P 54 28 CO 53 23 Re 23 57

Barometer has fallen about 0·10 on E. coast.

H.C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. AUG'ST 25 1884

Sydney Observatory.

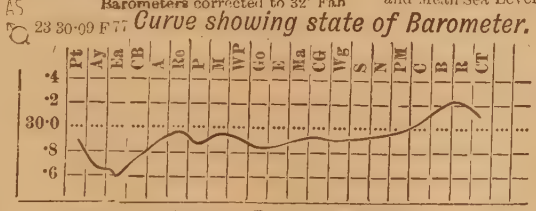
Lat. 33° 51′ 41″ *S.* ; *Long.* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to July 31 .....35·666
Total Rainfall from Jan. 1st to August 25....37 027
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	Wt	M'x	Mn	R in
Casino...	b	78	42	0
T'nt'rfield	b	67	39	0
Clarence.	b	78	58	0
Moree....	b	78	45	0
Grafton..	b	81	45	0
Gl'n Inn's	b	72	39	0
Inverell..	b	65	34	0
Bourke ..	–	—	—	—
Narvabri.	b	70	41	0
Armidale	b	66	50	0
B'ndem'r.	b	50	34	0
Gunned'h	–	—	—	—
C'namble	–	—	—	—
Lismore..	–	—	—	—
Walcha ..	n	61	36	0
Tamw'rth	b	71	40	0
Coonab'n	–	—	—	—
P.M'cqrie	b	72	47	0
W'lcannia	–	—	—	—
M'rr'mdi	c	66	46	0
Taree....	b	76	43	0
Cassilis ..	–	—	—	—
M'ss'lbr'k	g	73	57	0·01
Dubbo. ...	c	76	55	0
Menindie.	b	80	51	0
Singleton	b	63	55	0
N'ls'n's P.	g	76	52	0
40 —				
Mudg	u	75	29	0·02
Maitland..	b	69	43	0
Hill End..	b	—	—	0
N'wcastle	b	74	57	0
Orange ..	u	59	48	0·05
Bathurst	p	69	33	0·11
Forbes. ..	b	59	31	0
M.V'ct'ria	p	62	47	0·05
Carcoar..	b	59	41	0
Cond'b'l'n	c	63	49	0
Marsdens	b	72	43	0
Picton...	b	73	44	0
Sydney ..	c	75	63	0
Wentw'th	b	79	40	0
Young. ..	g	69	48	0
Woll'g'ng	b	81	50	0
Taralga..	u	69	38	0
Hay.....	b	77	49	0

Stations.	Wt	M'x	Mn	R'in
Queanbey'n	b	64	36	0
Deniliquin.	b	74	40	0
Moruya....	–	—	—	—
Kiandra...	b	55	29	0
Albury	b	65	41	0·05
Bodalla....	–	—	—	—
Cooma	n	69	31	0
Eden.....	b	70	48	0
M'ss V'l	c	66	44	0
Euston	b	—	—	0
G'lb'rn	b	69	46	0·01
Wagga.	b	73	38	0
C. Geo.	c	76	56	0

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow, smooth. heavy. very heavy.

TIME BALL
Drops at 1 p.m. S MT
or 2h. 35m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

Barometer has fallen about 0·40 on E. coast.

H.C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. AUG'ST 26 1864

Sydney Observatory.

Lat. 33° 51 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

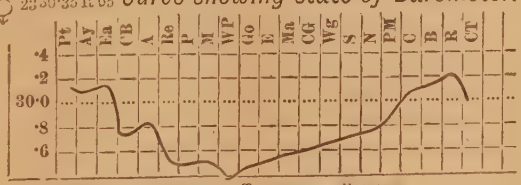
Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to July 31 .....35·666
Total Rainfall from Jan. 1st to August 26....37 028
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	Wt	M'x	Mn	R in
Casino ...	b	78	44	0
T'nt'rfield	b	71	41	0
Clarence.	b	77	56	0
Moree....	b	81	57	0
Grafton..	b	84	49	0
Gl'n Inn's	b	76	44	0
Inverell..	b	67	41	0
Bourke ..	q	86	59	0
Narrabri.	b	79	49	0
Armidale	b	65	52	0
B'ndem'r.	b	62	40	0
Gunned'h		—	—	—
C'namble	b	—	—	0
Lismore..	–	—	—	—
Walcha ..	b	62	40	0
Tamw'rth	–	—	—	—
Coonab'n	g	78	43	0
P.M'cqrie	b	75	58	0
W'lcannia	g	—	—	0
M'rr'r'ndi	b	71	61	0
Taree....	b	75	48	0
Cassilis ..	g	—	—	0
M'ss'lbr'k	b	73	65	0
Dubbo. ..	o	81	47	0
Menindie.	b	86	56	0
Singleton	b	69	51	0
N'ls'n's B.	b	78	54	0
18 57 Mudg	u	77	41	0
Maitland.	b	73	50	0
Hill End.	u	—	—	0
N'weastle.	b	77	56	0
Orange ..	–	—	—	—
Bathurst	g	72	46	0
Forbes. ..	g	77	53	0
M.V'ct'ria	c	65	40	0
Carcoar..	b	62	51	0
Cond'b'l'n	g	65	55	0
Marsdens	c	75	56	0
Picton. ..	b	73	43	0
Sydney ..	b	76	54	0
Wentw'th	c	69	44	0
Young. ..	g	79	51	0
Woll'g'ng	–	—	—	—
Taralga..	–	—	—	—
Hay.....	q	78	46	0

Stations.	Wt	M'x	Mn	R'in
Qeaunbey'n	g	65	49	0
Deniliquin.	b	72	45	0·06
Moruya....	c	78	52	0
Kiandra...	–	—	—	—
Albury	c	64	44	0·07
Bodalla....	f	72	46	0
Cooma	r	71	39	0·16
Eden.....	g	63	55	0

M ss V'l	b	67	51	0
Euston	c	—	-	0
G'lb'rn	–	—	—	—
Wagga.	u	75	49	0
C. Geo.	c	68	51	0

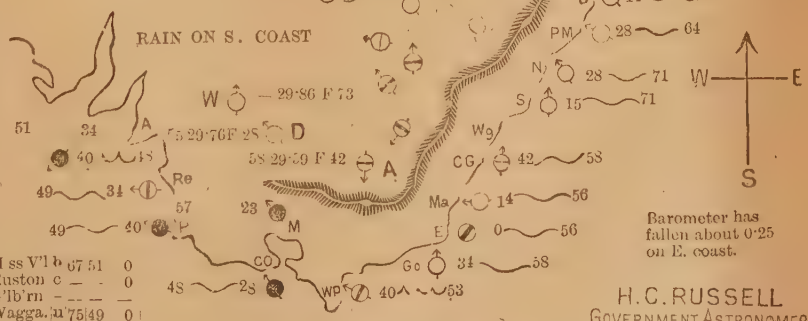
23 30·35 R 65 *Curve showing state of Barometer.*



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.

If it is CALM, the symbol is used without the arrow.

smooth. heavy. very heavy.



Barometer has fallen about 0·25 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. AUG'ST 27 1884.

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to July 31 .....35·666
Total Rainfall from Jan. 1st to August 27....37 028
Barometers corrected to 32° Fah and Mean Sea Level

Curve showing state of Barometer.

Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.

Stations.	wt	M'x	Mn	R in
Casino...	–	—	—	—
Tnt'rfield	b	70	41	0
Clarence.	b	82	56	0
Moree....	–	—	—	—
Grafton...	b	88	50	0
Gl'n Inn's	–	—	—	—
Inverell..	–	—	—	—
Tourke...	b	87	51	0
Narrabri.	–	—	—	—
Armidale	b	63	56	0
L'indem'r.	b	55	39	0
Gunned'h	–	—	—	—
C'namble	b	—	—	0
Lismore...	–	—	—	—
Walcha...	–	—	—	—
Tamw'rth	–	—	—	—
Coonab'n	c	77	39	0
P.M'cqrie	b	74	49	0
W'lcannia	b	—	—	0
M'rr'r'ndi	–	—	—	—
Taree....	b	88	56	
Cassilis...	b	–	46	0
M'ss'lbr'k	b	81	53	0
Dubbo...	b	79	35	0
Menindie.	b	71	46	0
Singleton	b	75	56	0
N'tn'n's P.	b	80	58	0
13 59				
Mudg	b	76	39	0
Maitland.	b	78	53	0
Hill End.	b	—	—	0
N'wcastle	b	81	54	0
Orange...	b	63	36	0
Bathurst	b	76	36	0
Forbes....	b	75	51	0
M.V'ct'ria	b	49	35	0
Carcoar..	b	62	43	0
Cond'b'l'n	b	50	43	0
Marsdens	b	69	47	0
Picton...	b	72	49	0
Sydney...	b	81	52	0
Wentw'th	b	63	37	0·03
Young....	c	73	38	0
Wol'g'ng	b	62	47	0
Taralga..	–	—	—	—
Bay.....	b	77	36	0
M ss V'l	b	69	40	0
Euston	b	—	—	0
G'lb'rn		68	38	0
Wagga.	b	67	36	0·03
C. Geo.	b	59	46	0

Stations.	w't	M'x	Mn	R'in
Qeanbeyan	b	59	41	0·05
Deniliquin.	b	69	36	0
Moruya....	c	73	48	0
Kiandra...	s	45	25	0
Albury	u	60	43	0·05
Bodalla....	b	74	42	0
Cooma	n	60	32	0·28
Eden.....	b	70	47	0

TIME BALL
Drops at 1 p.m. S MT
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

RAIN ON S. COAST

Barometer has risen about 0·35 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. AUG'ST 28 1884.

Sydney Observatory.

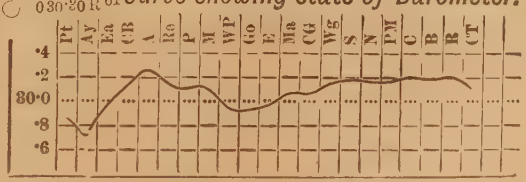
Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to July 31 .....35·666
Total Rainfall from Jan. 1st to August 28....37 028
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	Wt	M'x	Mn	R in
Casino...	–	—	—	—
Tenterfield	–	—	—	—
Clarence.	c	83	55	0
Moree....	b	81	40	0
Grafton..	c	89	48	0
Gl'n Inn's	–	—	—	—
Inverell .	c	64	34	0
Tenterfield	b	72	46	0
Nowabri..	b	70	47	0
Armidale	b	67	46	0
Bingara..	n	47	28	0
Gunned'h	–	—	—	—
Cassilis	b	—	—	0
L'more..	–	—	—	—
Walcha..	–	—	—	—
Tamw'rth	b	69	32	0
Coomab'n	n	71	23	0
P.M'cquie	b	68	44	0
Wilcannia	b	—	—	0
M'rr'mdi	b	63	36	0
Taree....	b	—	40	0
Cassilis ..	b	–	36	0
M'ss'lbr'k	b	70	45	0
Dubbo...	n	69	29	0
Menindie.	b	71	45	0
Singleton	b	67	45	0
N'ls'n's B.	b	78	40	0
34	66			
Mudg'e	n	69	24	0
Maitland.	b	78	45	0
Hill End.	b	—	—	0
N'wcastle	b	68	48	0
Orange ..	b	50	29	0
Bathurst	b	57	27	0
Forbes...	b	64	19	0
M.V'ct'ria	b	52	40	0
Carcoar..	b	53	34	0
Cond'b'n	b	48	38	0
Marsdens	b	61	33	0
Picton...	b	65	36	0
Sydney ..	b	69	47	0
Wentw'th	b	69	36	0
Young...	b	74	33	0
Wol'g'ng	b	72	46	0
Taralga..	–	—	—	—
Hay.....	b	65	36	0
Mss V'l	b	55	41	0
Euston	b	—	—	—
G'lb'rn	–	—	—	—
Wagga.	u	63	42	0
C. Geo.	b	65	46	0

Stations.	Wt	M'x	Mn	R'in
Queanbey'n	b	54	41	0
Deniliquin	b	65	36	0
Moruya....	b	71	47	0
Kiandra...	c	45	24	0·55
Albury	c	53	46	0
Bodalla....	b	70	35	0
Cooma	c	57	40	0
Eden.....	b	65	45	0

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow,
smooth. heavy. very heavy.

TIME BALL
Drops at 1 p.m. S M T
r 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

Barometer has risen about 0·15 on E. coast.

RAIN ON S. COAST

57 30·15 F 0
W 14 30·31 F 47
47 30·25 R 0
51 30·02 R 14

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. AUG'ST 29 1884

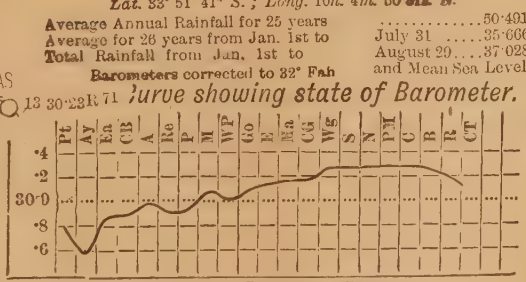
Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to July 31 .....35·666
Total Rainfall from Jan. 1st to August 29....37·028
and Mean Sea Level

Barometers corrected to 32° Fah

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy very heavy.

59 30·13 F 0

CLOUDY ON S. COAST

TIME BALL
Drops at 1 p.m. S M T
or 2h.55m.9·19s.a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

Barometer has risen about 0·10 on E. coast.

H.C. RUSSELL
GOVERNMENT ASTRONOMER

Stations.	wt	M'x	Mn	R in
Casino ...	—	—	—	—
T'nt'rfield	b	73	46	0
Clarence .	c	79	59	0
Moree....	b	85	48	0
Grafton..	c	81	45	0
Gl'n Inn's	f	73	44	0
Inverell..	b	68	41	0
Bourke ..	b	73	50	0
Narrabri..	b	73	48	0
Armidale	b	66	46	0
B'udem'r.	b	50	31	0
Gunned'h	b	70	38	0
C'rnamble	b	—	—	0
Lismore..	b	77	58	0·48
Waloha ..	b	65	31	0
Tamw'rth	b	74	34	0
Coonab'n	n	74	25	0
P.M'cqrie	b	69	51	0
W'lcannia	b	—	—	0
M'rr'r'ndi	b	64	39	0
Taree....	g	68	44	0
Cassilis ..	b	—	—	0
M'ss'lbr'k	b	72	46	0
Dubbo. ..	b	72	30	0
Menindie.	b	70	43	0
Singleton	b	69	46	0
N'ls'n's B.	c	82	44	0
13 70				
Mudg'	b	76	25	0
Maitland.	b	66	41	0
Hill End.	b	—	—	0
N'wcastle	b	69	49	0
Orange ..	b	55	30	0
Bathurst	b	64	26	0
Forbes. ..	b	62	48	0
M.V'ct'ria	b	59	47	0
Carcoar..	b	53	39	0
Cond'b'l'n	b	48	38	0
Marsdens	n	70	42	0
Picton. ..	b	69	33	0
Sydney ..	b	61	47	0
Wentw'th	b	74	40	0
Young. ..	b	79	34	0
Woll'g'ng	b	74	40	0
Taralga..	b	61	30	0
Hay.....	b	71	36	0

Stations.	wt	M'x	Mn	R'in
Qeaunbey'n	n	61	36	0
Deniliquin.	b	70	36	0
Moruya....	b	73	44	0
Kiandra...	fn	50	19	0
Albury	b	66	37	0
Bodalla....	b	75	37	0
Cooma	n	44	24	0
Eden.....	c	61	44	0

M ss V'l	b	62	36	0
Euston	b	—	—	0
G'lb'rn	b	63	29	0
Wagga.	b	70	31	0
C. Geo.	b	72	46	0

METEOROLOGY.

9 A.M. AUGUST 30 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s. E.*

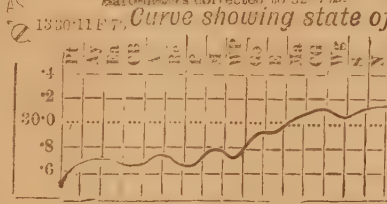
Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to July 31 .....35·666
Total Rainfall from Jan. 1st to August 30....37·033
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	w't	M'x	Mn	R'in
Queanbey'n	b	61	35	0
Deniliquin	b	74	37	0
Moruya	b	66	51	0
Kiandra	c	57	23	0
Albury	c	63	40	0
Bodalla	b	71	31	0
Cooma	c	69	36	0
Eden	c	61	47	0

R 0 74

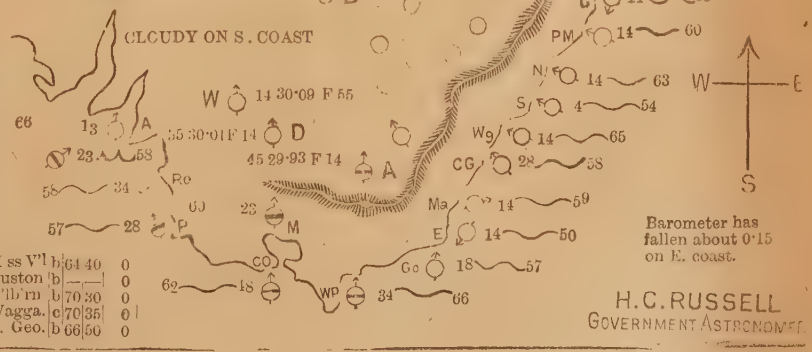
Stations.	w't	M'x	Mn	R'in
Casino	b	74	48	0
T'nt'rfield	b	74	35	0·73
Clarence	b	80	56	0
Moree	b	81	53	0
Grafton	b	81	45	0
Glen Innes	b	72	32	0
Inverell	b	69	32	0
Bourke	b	77	—	0
Narrabri	b	78	49	0
Armidale	b	69	50	0
B'ndem're	b	72	36	0
Gunned'h	b	71	46	0
Clarnble	b			0
Lismore	b	75	54	0
Wahkia	b	62	45	0
Tamw'rth	b	75	38	0
Coonab'n	b	71	33	0
P.M'cquie	b	71	51	0
W'leannia	b	—	—	0
M'r'r'ndi	b	66	44	0
Taree	b	68	49	0
Cassilis	b	—	39	0
M'ss'lbr'k	b	72	42	0
Dubbo	—	—	—	—
Menindie	b	79	43	0
Singleton	b	65	44	0
N'ls'n's R.	c	75	54	0
28 (9				
Mudgee	b	79	29	0
Maitland	b	65	40	0
Hill End	b	—	—	0
N'wcastle	b	65	51	0
Orange	b	58	31	0
Bathurst	b	71	28	0
Forbes	b	65	34	0
M.V'ct'ria	b	63	52	0
Carcoar	b	56	43	0
Cond'b'l'n	b	50	39	0
Marsdens	b	71	42	0
Picton	b	66	39	0
Sydney	b	63	49	0·01
Wentw'th	b	78	45	0
Young	c	78	32	0
Woll'g'ng	b	71	45	0
Taralga	b	61	30	0
Hay	b	74	44	0
Mss V'l	b	64	40	0
Euston	b	—	—	0
G'lb'rn	b	70	30	0
Wagga	c	70	35	0
C. Geo.	b	66	50	0

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow,
smooth. heavy. very heavy.

61 30·03 F 0


CLOUDY ON S. COAST
W 14 30·09 F 55
55 30·01 F 14
45 29·93 F 14
TIME BALL.
Drops at 1 p.m. S M T
r 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9° S. 37° E.
Barometer has fallen about 0·15 on E. coast.
H. C. RUSSELL
GOVERNMENT ASTRONOMER.

METEOROLOGY.

9 A.M. SEPT. 1 1884

Sydney Observatory.

Lat. 33° 51 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

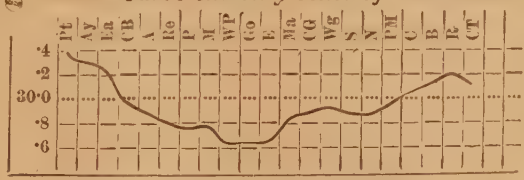
Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to August 31....38·616
Total Rainfall from Jan. 1st to September 1 37 033
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	Wt	M'x	Mn	R'in
Casino ...	b	83	55	0
T'nt'rfield	b	75	41	0
Clarence.	b	83	58	0
Moree....	c	84	61	0
Gratton..	b	87	51	0
Gl'n Inn's	b	78	42	0
Inverell..	b	74	43	0
Bourke ..	b	95	66	0
Narrabri.	b	84	51	0
Armidale	b	65	53	0
B'ndem'r.	c	63	51	0
Gunned'h	c	80	58	0
C'numble	c	—	—	0
Lismore..	-	—	—	—
Walcha ..	c	69	58	0
Tamw'rth	n	79	51	0
Coonab'n	b	82	60	0
P.M'cqrie	b	73	63	0
W'lcannia	g	—	—	0
M'r'r'ndi	c	74	51	0
Taree....	b	73	56	0
Cassilis ..	b	—	65	0
M'ss'lbr'k	c	82	67	0
Dubbo. ...	o	83	58	0
Menindie.	g	73	52	0
Singleton	g	74	51	0
N'ls'n's B.	c	79	49	0
13 56 Mudg	u	80	36	0
Maitland.	b	79	50	0
Hill End.	c	—	—	0
N'wcastle	c	77	61	0
Orange ..	g	64	49	0
Bathurst	p	71	37	0
Forbes...	u	68	41	0
M.V'ct'ria	c	66	54	0
Carcoar..	r	60	46	0·10
Cond'b'l'n	u	57	46	0
Marsdens	p	75	45	0·11
Picton...	o	72	54	0
Sydney ..	g	82	61	0
Wentw'th	g	69	52	0·02
Young. ..	p	76	45	0·33
Woll'g'ng	c	86	54	0
Taralga..	c	70	39	0·32
Hay.....	u	80	46	0·03

Stations.	Wt	M'x	Mn	R'in
Qeanbey'n	c	63	41	0·32
Deniliqu'n.	g	80	48	0
Moruya....	c	79	54	0
Kiandra...	u	49	35	2·07
Albury	u	[illegible]	45	0·05
Bodalla....	g	79	[illegible]	0
Cooma	c	64	[illegible]	[illegible]
Eden.....	c	74	50	0

M'ss V'l	u	68	56	0
Euston	u	—	—	0
G'lb'rn	u	62	46	0·20
Wagga.	g	77	47	0·29
C. Geo.	g	71	53	0

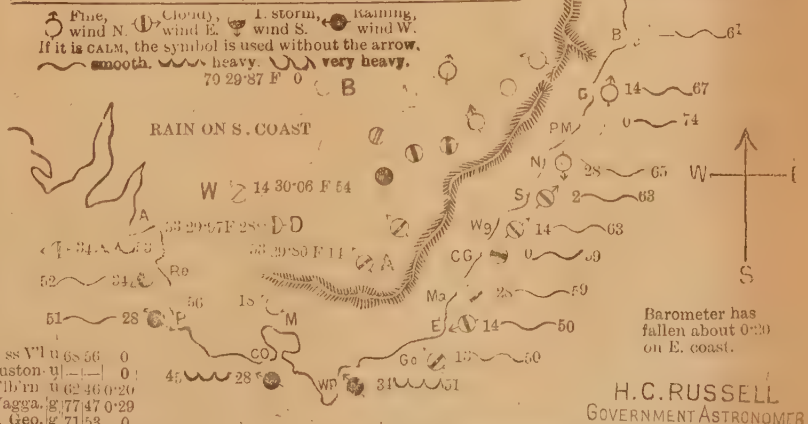
Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.

If it is CALM, the symbol is used without the arrow.

smooth. heavy. very heavy.



METEOROLOGY.

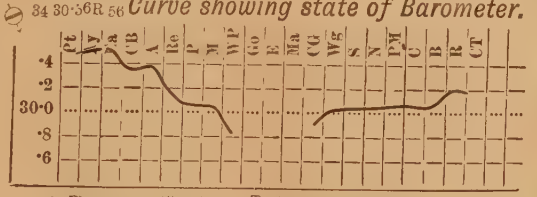
9 A.M. SEPT. 2 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long.* 10*h.* 4*m.* 50·51*s. E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to August 31....38·616
Total Rainfall from Jan. 1st to September 2 37 033
Barometers corrected to 32° Fah and Mean Sea Level

34 30·56 R 56 *Curve showing state of Barometer.*



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow,
smooth. heavy. very heavy.

Stations.	wt	M'x	Mn	R in
Casino...	b	87	62	0
T'nt'rfield	b	78	49	0
Clarence.	c	81	61	0
Mooree....	g	92	64	0
Grafton..	b	93	55	0
Gl'n Inn's	c	81	54	0
Inverell..	o	76	57	0
Bourke ..	b	86	59	0
Narrabri..	g	90	51	0
Armidale	c	71	59	0
B'denf'r.	u	58	45	0
Gunned'h	c	86	58	0
Cramble	u	—	—	0
Lismore..	–	—	—	—
Walcha...	c	74	51	0
Tamw'rth	c	84	57	0
Coonab'n	g	83	45	0
P.M'cqrie	–	—	—	—
W'lcannia	b	—	—	0
M'rr'r'ndi	c	76	57	0
Taree.....	c	90	56	0
Cassilis...	g	73	54	0
M'ss'lbr'k	c	85	61	0
Dubbo. ...	q	81	51	0
Menindie.	b	60	47	0·04
Singleton	b	78	61	0
N'ls'n's B.	u	71	51	0
8 57				
Mudg	u	75	44	0
Maitland.	g	79	53	0
Hill End..	u	—	—	0·04
N'wcastle	c	67	59	0
Orange ..	u	59	41	0·34
Bathurst	c	61	42	0
Forbes. ..	b	68	41	0
M.V'd'ria	g	60	44	0
Carcoar..	g	55	46	0·26
Cond'b'l'n	b	50	45	0
Marsdens	c	59	50	0·10
Picton...	c	72	52	0
Sydney ..	b	70	56	0
Wentw'th	b	61	38	0·01
Young. ...	u	59	42	0·38
Woll'g'ng	b	79	50	0
Taralga..	b	59	37	0·50
Hay	b	81	41	0·03

Stations.	wt	M'x	Mn	R'in
Mss V'l	c	60	43	0
Euston	b	—	—	0
G'lb'rn	c	53	40	0·40
Wagga.	u	55	42	0·10
C. Geo.	b	65	51	0

Stations.	wt	M'x	Mn	R'in
Qeaunbey'n	–	—	—	—
Deniliquin.	b	80	32	0
Moruya....	–	—	—	—
Kiandra...	s	48	27	0
Albury	u	50	46	0·09
Bodalla....	–	—	—	—
Cooma	–	—	—	—
Eden.....	–	—	—	—

TIME BALL
Drops at 1 p.m. S M T
r 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

RAIN ON S. COAST

Barometer has risen about 0·10 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. SEPT. 3 1894

Sydney Observatory.

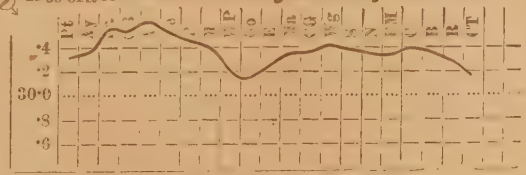
Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to August 31....38·616
Total Rainfall from Jan. 1st to September 3 37 033
Barometers corrected to 32° Fah and Mean Sea Level

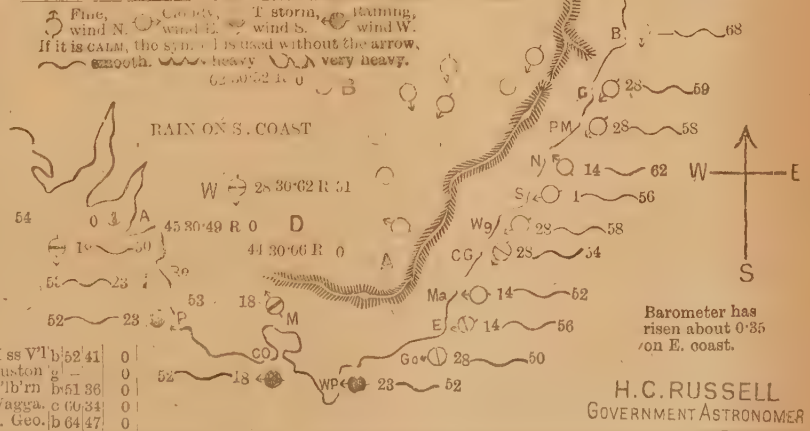
Stations.	wt	M'x	Mn	R'in
Casino...	b	89 48		0
T'nt'rfield	b	76 31		0
Clarence.	b	81 52		0
Morec....	b	78 44		0
Grafton..	b	85 51		0
G'n Inn's	n	67 33		0
Inverell..	n	70 54		0
Bourke..	b	74 47		0
Narrabri.	b	72 47		0
Armidale	b	64 47		0
B'ndem'r.	n	50 35		0
Gunned'h	b	68 38		0
C'mamble	b	—	—	0
Lismore..	b	85 57		0
Walcha..	n	59 28		0
Tamw'rth	b	69 30		0
Coonab'n	b	65 26		0
P.M'cqrie	b	74 43		0
W'lcannia	b	— —		0
M'rr'r'ndi	b	63 39		0
Taree....	b	76 45		0
Cassilis..	b	60 40		0
M'ss'lbr'k	b	68 46		0
Dubbo...	b	65 55		0
Menindie.	b	64 49		0
Singleton	b	68 52		0
N'ls'n's B.	b	78 47		0
S 61 Mudg	b	71 32		0
Maitland.	b	68 47		0
Hill End.	b	— —		0
N'wcastle	b	69 48		0
Orange..	b	49 38		0
Bathurst	b	52 37		0
Forbes...	b	60 38		0
M.V'ct'ria	b	50 40		0
Carcoar..	b	52 44		0
Cond'b'l'n	b	51 42		0
Marsdens	b	61 46		0
Picton...	b	62 41		0
Sydney..	b	65 51		0
Wentw'th	g	64 41		0
Young...	b	59 37		0
Woll'g'ng	b	70 45		0
Taralga..	b	58 33		0·20
Hay.....	b	81 40		0

Stations.	wt	M'x	Mn	R'in
Queanbey'n	b	53 38		0
Leniliquin.	b	67 33		0
Moruya....	b	68 43		0
Kiandra...	n	48 23		0
Albury....	b	56 40		0
Bulalla....	b	67 35		0
Cooma....	n	56 26		0
Eden.....	c	62 47		0·03

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy very heavy.



Barometer has risen about 0·35 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. SEPT. 4 1884

Sydney Observatory.

Lat. 33° 51′ 42″ S. ; *Long.* 10h. 4m. 50·81s. E.

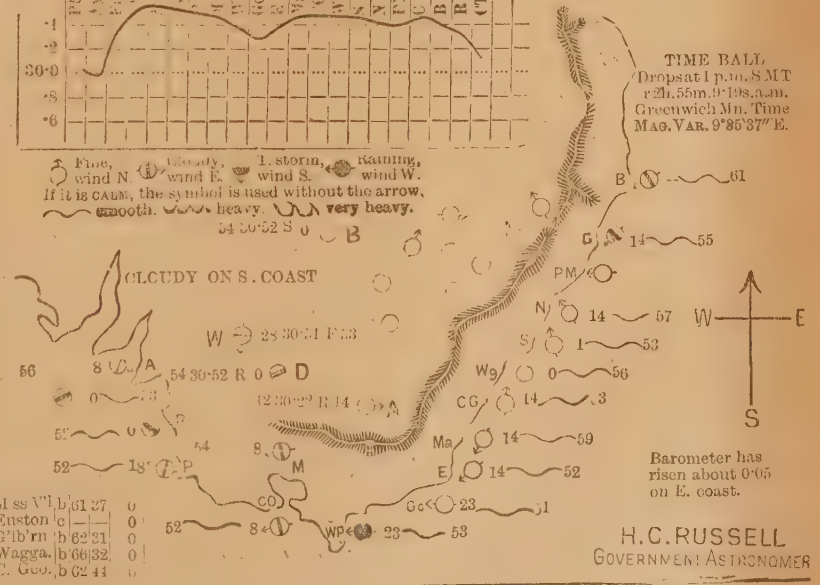
Average Annual Rainfall for 25 years ..... 50·491
Average for 26 years from Jan. 1st to August 31 ... 38·616
Total Rainfall from Jan. 1st to September 3 37·033
Barometer corrected to 32° Fah. and Mean Sea Level

Stations.		W't	M'x	M'n	R'in
Geaumbey'n	b	56	36		0
Deniliquin	g	67	36		0
Moruya....	b	63	43		0
Kiandra...	n	50	15	0	74
Albury	b	62	36		0
Bodalla....	g	68	47		0
Coona	c	71	27		0
Eden	b	62	46		0

Stations.		W't	M'x	M'n	R'in
[illegible]	b	74	41		0
[illegible]field	b	66	34		0
[illegible]	c	81	50		0
[illegible]	b	80	40		0
[illegible]	b	79	57		0
[illegible]'s	b	77	3		0
[illegible]	b	69	56		0
[illegible]	b	73	47		0
[illegible]	b	64	30		0
[illegible]	b	64	48		0
[illegible]	b	64	33		0
Goomed'h	b	69	40		0
[illegible]	-	—	—		—
[illegible]	c	74	49		0
Walcha...	b	62	29		0
Tenw'rth	b	69	55		0
Coonab'n	b	71	26		0
P.M'cqrie	b	63	45		0
W'lcannia	b	—	—		0
M'r'r'ndi	b	61	37		0
Taree...	b	74	42		0
Casilis ..	b	69	36		0
Mossb'rk	b	75	46		0
Dubbo...	b	74	32		0
Menindie.	b	63	45		0
Singleton	b	62	52		0
N'ls'n's B.	c	77	46		0
18 61					
Mudg.	b	78	27		0
Maitland.	b	65	40		0
Hill End.	b	—	—		0
N'wcastle	b	66	47		0
Orange ..	b	55	32		0
Bathurst	b	65	29		0
Forbes...	b	62	34		0
M.V'ct'ria	b	60	47		0
Carcoar...	b	55	37		0
Cond'b'l'n	b	49	41		0
Marsdens	n	66	43		0
Picton...	b	65	32		0
Sydney...	b	63	45		0
Wentw'th	c	64	48	0	
Young...	n	63	33	0	
Wol'g'ng	b	76	39	0	
Taralga..	n	66	35	0	
Hay	b	69	36	0	
Mss V'l	b	61	27	0	
Euston	c	—	—	0	
G'lb'rn	b	62	21	0	
Wagga.	b	66	32	0	
C. Geo.	b	62	44	0	

Curve showing state of Barometer.

Fine, wind N. Cloudy, wind E. L. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.



H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. SEPT. 5 1884

Sydney Observatory.

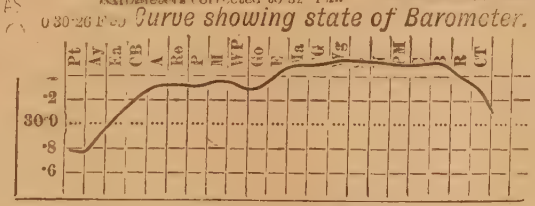
Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·61*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to August 31....38·616
Total Rainfall from Jan. 1st to September 5 37·034
Barometers corrected to 32° Fah and Mean Sea Level

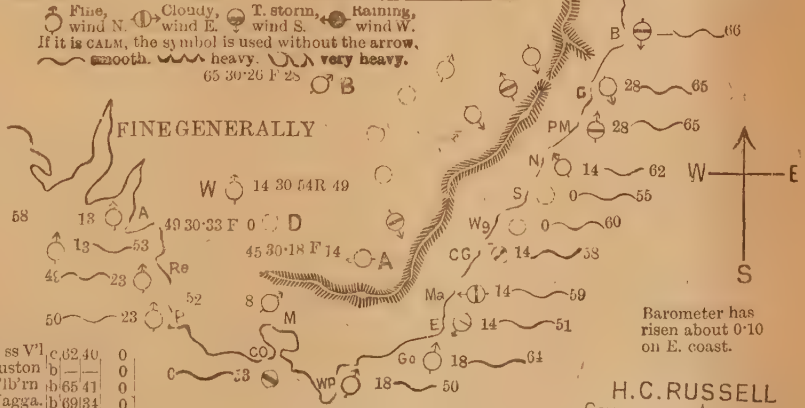
Stations.	wt	M'x	Mn	R in
Casino...	c	77	48	0
T'nt'rfield	u	68	46	0
Clarence.	c	81	48	0
Morec....	c	94	52	0
Grafton..	b	85	41	0
Gl'n Inn's	c	76	44	0
Inverell..	b	67	29	0
Bourke..	b	76	54	0
Narrabri.	b	75	43	0
Armidale	c	63	48	0
B'ndem'r.	b	56	32	0
Gunned'h	b	72	31	0
C'namble	b	—	—	0
Lismore..	c	75	54	0
Walcha..	–	—	—	—
Tamw'rth	b	73	41	0
Coonab'n	b	75	34	0
P.M'cqrie	c	70	60	0
W'lcannia	–	—	—	—
M'rr'r'ndi	f	66	43	0
Taree....	b	—	47	0
Cassilis..	b	59	42	0
M'ss'lbr'k	f	71	42	0
Dubbo...	b	79	41	0
Menindie.	b	64	45	0
Singleton	b	65	59	0
N'ls'n's B.	b	75	45	0
40 70 Mudg	b	79	38	0
Maitland.	b	65	45	0
Hill End.	b	—	—	0
N'wcastle	b	66	57	0
Orange..	b	58	40	0
Bathurst	b	69	27	0
Forbes...	b	64	36	0
M.V'ct'ria	g	58	41	0
Carcoar..	b	55	46	0
Cond'b'l'n	b	51	40	0
Marsdens	n	65	45	0
Picton...	o	61	38	0
Sydney..	b	63	49	0
Wentw'th	b	66	35	0
Young...	b	78	43	0
Woll'g'ng	b	71	44	0
Taralga..	b	71	31	0
Hay.....	b	69	41	0

Stations.	wt	M'x	Mn	R'in
Qeaunbey'n	g	58	41	0
Deniliquin.	b	69	32	0
Moruya....	c	62	49	0
Kiandra...	b	47	22	0·97
Albury....	b	66	38	0
Bodalla....	b	68	43	0
Cooma....	b	67	36	0
Eden.....	c	63	47	0

M ss V'l	c	62	40	0
Euston	b	—	—	0
G'lb'rn	b	65	41	0
Wagga.	b	69	34	0
C. Geo.	c	64	51	0



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.



H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. SEPT. 6 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to August 31....3[illegible]·616
Total Rainfall from Jan. 1st to September 6 57·034
Barometers corrected to 32° Fah and Mean Sea Level

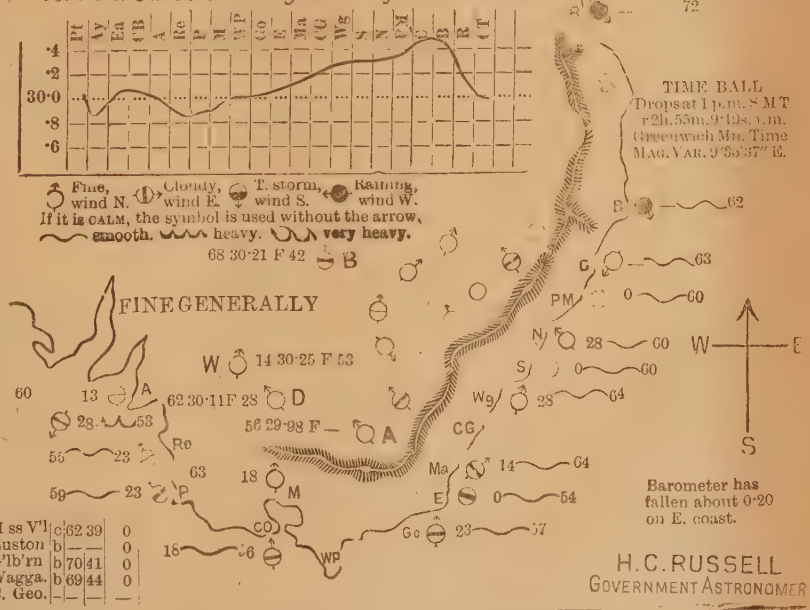
0 30·33 R 67 *Curve showing state of Barometer.*

Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow,
smooth. heavy. very heavy.

Stations.	Wt	M'x	Mn	R in
Casino...	b	72	51	0
T'nt'rfield	u	63	47	0
Clarence.	b	78	59	0·05
Moree....	b	79	50	0
Grafton..	b	73	45	0
Gl'n Inn's	c	63	43	0
Inverell..	b	62	40	0
Bourke ..	c	81	61	0
Narrabri.	c	74	42	0
Armidale	b	63	52	0
B'ndem'r.	b	56	33	0
Gunned'h	b	74	46	0
C'namble	b	—	—	0
Lismore..	c	69	57	0·05
Walcha..	b	61	39	0
Tamw'rth	b	75	41	0
Coonab'n	b	75	37	0
P.M'cqrie	b	70	49	0
W'lcannia	b	—	—	0
M'rr'r'ndi	b	65	47	0
Taree....	b	—	43	0
Cassilis ..	b	65	42	0
M'ss'lbr'k	b	73	46	0
Dubbo. ..	—	—	—	—
Menindie.	b	73	50	0
Singleton	b	70	47	0
N'ls'n's B.	b	79	45	0
28 62 Mudg	b	78	33	0
Maitland.	b	71	41	0
Hill End.	b	—	—	0
N'wcastle	b	67	51	0
Orange ..	b	61	37	0
Bathurst	b	70	35	0
Forbes. ..	b	72	40	0
M.V'ct'ria	b	60	50	0
Carcoar..	b	59	46	0
Cond'b'l'n	c	62	46	0
Marsdens	b	74	49	0
Picton...	b	67	36	0
Sydney ..	b	63	51	0
Wentw'th	b	76	41	0
Young. ..	c	74	43	0
Woll'g'ng	b	71	50	0
Taralga..	b	69	37	0
Hay.....	b	76	50	0

Stations.	Wt	M'x	Mn	R'in
Qeaunbey'n	g	61	44	0
Deniliquin.	b	75	40	0
Moruya.....	c	67	41	0
Kiandra...	c	57	35	0
Albury	c	71	43	0
Bodalla....	c	66	40	0
Cooma	c	68	33	0
Eden.....	c	62	54	0

M ss V'l	c	62	39	0
Euston	b	—	—	0
G'lb'rn	b	70	41	0
Wagga.	b	69	44	0
C. Geo.	—	—	—	—



Barometer has fallen about 0·20 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. SEPT. 8 [illegible]

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

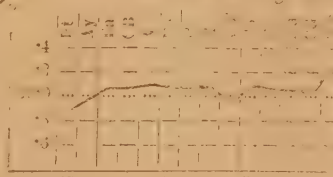
Average Annual Rainfall for 25 years ..... 50·401
Average for 26 [illegible] ..... [illegible]·316
Total Rainfall from Jan. 1st to [illegible] ..... [illegible]·60
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	Wt	M'x	Mn	R in
Casino...	c	84	56	0
T'nt'rfield	u	76	40	0
Clarence..	g	80	60	0
Moree....	g	83	61	0·29
Grafton...	c	64	51	0
Gl'n Inn's	c	79	39	0·02
Inverell..	u	71	44	0·25
Bourke..	b	74	60	0·20
Narrabri..	u	82	48	0·68
Armidale	b	66	52	0·16
B'ndem'r..	u	60	47	0·65
Gunned'h	c	81	60	0·50
C'namble	r	—	—	0
Lismore..	c	82	54	0
[illegible]lha..	b	68	36	0·28
[illegible]mw'rth	c	80	55	0·60
[illegible]nab'n	c	79	53	0·26
[illegible]'eqrie	b	73	59	0·05
W'leannia	b	—	—	0
M'rt'r'n	b	71	54	0·53
Taree....	b	83	60	0·10
Cassilis..	b	64	55	0
Mss'lbr'k	b	84	[illegible]	0·31
Dubbo...	u	66	56	0·57
Menindie.	b	79	53	0
[illegible]	b	68	50	0·11
N'ls'b's B.	c	80	57	0·32
23 74 Mudg	f	79	41	0·49
Maitland.	c	76	52	0
Hill End.	b	—	—	1·25
N'weastle	c	70	60	0·05
Orange...	b	59	40	0·56
Bathurst	f	70	42	0·53
Forbes...	c	[illegible]	[illegible]	0·30
M.V'ct'ria	b	[illegible]	[illegible]	0·11
Carcoar..	b	[illegible]	[illegible]	[illegible]
Cond'b'l'n	b	55	46	0·48
Marsdens	b	77	48	[illegible]
Lucton...	b	72	[illegible]	0
Sydney..	b	[illegible]	[illegible]	0·03
Wentw'th	b	[illegible]	[illegible]	[illegible]
Young...	b	76	41	0·07
Woll'g'ng	b	78	49	[illegible]
Taralga..	b	[illegible]	58	0·20
[illegible]y.....	b	83	42	[illegible]
M's V'l	b	69	45	0
Euston	b	—	—	0
G'lb'rn	b	69	40	0·18
Wagga.	b	[illegible]	56	0·06
C. Geo.	c	70	51	0

Stations.	Wt	M'x	Mn	R in
Qeaunbey'n	b	67	40	0·80
Deniliquin.	b	81	38	0
Moruya....	-	—	—	—
Kiandra...	n	55	30	0·75
Albury....	[illegible]	[illegible]	[illegible]	0
Bo[illegible]				
Cocma....	n			
Eden.....	c			

AS

Curve showing state of Barometer.



Fine, wind N — Cloudy, wind [illegible] — T. storm, wind S — Raining, wind W

If it is CALM, the symbol is used without [illegible]

smooth, heavy, very heavy.

71 30·11 F 0

B

FINE GENERALLY

64

8 A

54 30·20 R 0

D

[illegible] R 0

W 14 30 22 F 56

18 56

56 23

Re

58

18 M

CO

54 28

WP 34 52

Go 18 56

Ma

14 52

CG 28 50

W9 14 64

S 0 62

N 14 68

PM 14 70

L 14 63

R 65

TIME BAL
Drops at 1 p.m. [illegible] T
r 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

W E S

Barometer has fallen about 0·20 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

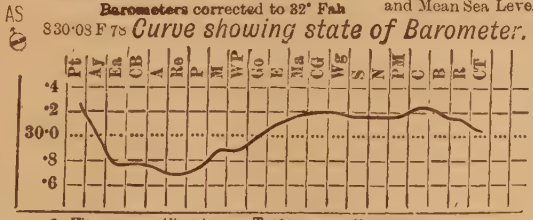
9 A.M. SEPT. 9 1886

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·61*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to August 31....38·616
Total Rainfall from Jan. 1st to September 9 37·068
Barometers corrected to 32° Fah and Mean Sea Level

S30·08 F 78 *Curve showing state of Barometer.*



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow,
smooth. heavy. very heavy.

Stations.	wt	M'x	Mn	R in
Casino...	c	82	54	0
T'nt'rfield	r	78	39	0·22
Clarence.	b	81	60	0
Moree....	u	85	60	0
Grafton..	u	86	51	0
Gl'n Inn's	u	79	55	0·14
Inverell..	b	70	54	0·05
Lourke ..	b	82	57	0
Narrabri.	c	77	43	0
Armidale	c	66	38	0
B'nden'r.	b	57	44	0
Gunned'h	c	77	53	0
C'namble	b	—	—	0
Lismore..	c	73	62	0
Waloba ..	g	62	47	0·01
Tamw'rth	c	76	49	0
Coonab'n	b	77	38	0
P.M'cqrie	b	72	51	0
W'lcannia	b	—	—	0
M'rr'r'ndi	c	69	48	0
Taree....	b	—	47	0
Cassilis ..	b	67	44	0
M'ss'lbr'k	b	76	46	0
Dubbo. ..	b	79	58	0
Menindie.	c	79	59	0
Singleton	b	72	50	0
N'ls'n's R.	c	81	52	0
48 54 Mudg	b	81	35	0
Maitland.	b	73	48	0
Hill End.	b	—	—	0
N'wcastle	b	70	52	0
Orange ..	b	61	35	0
Bathurst	b	68	32	0
Forbes...	b	74	40	0
M.V'ct'ria	b	64	57	0
Carcoar..	b	60	50	0
Cond'l'f'n	b	57	44	0
Marsdens	b	73	47	0
Picton...	b	72	36	0
Sydney ..	b	68	50	0·01
Wentw'th	b	69	51	0
Young. ..	b	82	39	0
Wolf'g'ng	b	72	41	0
Taralga..	b	69	35	0
Hay.....	b	80	48	0

Stations.	wt	M'x	Mn	R'in
Qeaunbey'n	b	64	42	0
Deniliquin.	b	80	46	0
Moruya....	b	67	47	0
Kiandra...	n	58	30	0
Albury	b	72	41	0
Bodalla....	b	76	34	0
Cooma	n	72	39	0
Eden.....	b	64	47	0

M ss V'l	b	69	41	0
Euston	b	—	—	0
G'lb'rn	b	69	34	0
Wagga.	b	68	51	0
C. Geo.	b	66	42	0

FINE GENERALLY

TIME BALL
Drops at 1 p.m. S M T
r 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

Barometer has fallen about 0·15 on S. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. SEPT. 10 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

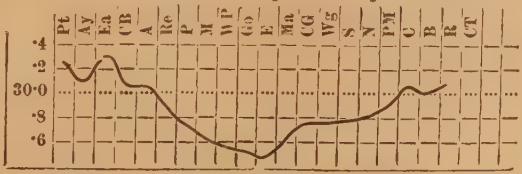
Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to August 31....38·616
Total Rainfall from Jan. 1st to September 10 37·074
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	Wt	M'x	MD	R in
Casino...	b	79	56	0·40
T'nt'rfield	b	75	50	0
Clarence.	c	78	61	0
Moree....	u	77	61	0·10
Grafton..	c	73	41	0·15
Gl'n Inn's	c	65	52	0·13
Inverell..	u	70	36	0
Bourke..	p	84	65	0·49
Narrabri.	r	72	40	0·35
Armidale	b	64	58	0·58
L'ndem'r.	r	60	43	0·19
Gunned'h	–	—	—	—
C'hamble	c	—	—	—
Lismore..	b	68	58	0·35
Walcha..	u	62	49	0·10
Tamw'rth	c	74	54	0·41
Coonab'n	r	78	53	1·08
P.M'cqrie	c	72	60	0
W'lcannia	b	—	—	—
M'rr'r'ndi	r	67	54	0·33
Taree....	c	—	59	0
Cassilis..	r	63	52	0
M'ss'lbr'k	r	78	59	0·13
Dubbo...	g	84	58	0·23
Menindie.	g	80	57	0·11
Singleton	b	70	55	0
N'ls'n's B.	g	81	61	0
8 56 Mudg	p	84	46	0·28
Maitland.	u	72	50	0
Hill End.	p	—	—	0·23
N'wcastle	g	68	61	0
Orange..	r	64	45	0·34
Bathurst	r	74	42	0·24
Forbes...	g	80	53	0·16
M.V'ct'ria	u	63	54	0
Carcoar..	g	64	53	0·11
Cond'b'l'n	u	65	51	0·39
Marsdens	u	76	51	0·40
Picton...	u	73	42	0
Sydney..	d	70	58	0·01
Wentw'th	q	89	47	0·34
Young...	u	82	49	0·56
Woll'g'ng	p	76	53	0
Taralga..	b	73	41	0·56
Hay.....	c	[illegible]	52	0·28

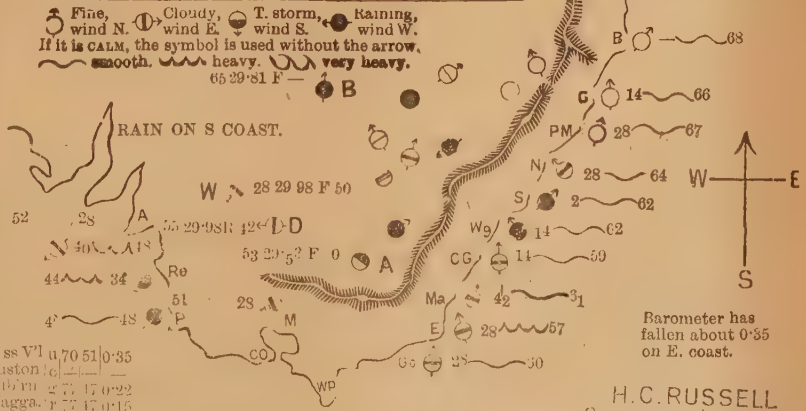
Stations.	Wt	M'x	MD	R'in
Qeaunbey'n	r	65	46	0·33
Deniliquin.	u	83	50	0·22
Moruya....	g	69	54	0·04
Kiandra...	u	61	37	0·42
Albury....	t	72	47	0·31
Bodalla....	g	78	39	0
Cooma....	p	74	39	0·16
Eden.....	u	67	50	0

AS

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.



Barometer has fallen about 0·35 on E. coast.

M ss V'l	u	70	51	0·35
Euston	c	—	—	—
G lb'rn	g	77	47	0·22
Wagga.	r	77	47	0·15
C. Geo.	[illegible]	[illegible]	[illegible]	0

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. SEPT. 11 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

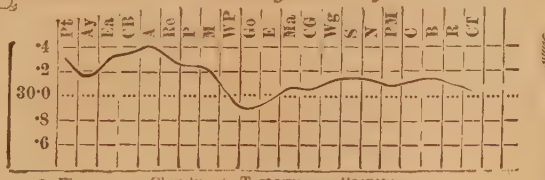
Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to August 31....38·616
Total Rainfall from Jan. 1st to September 11 37·111
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	W't	M'x	Mn	R'in
Casino...	b	82	55	0·21
T'nterfield	b	74	45	0·45
Clarence..	g	84	60	0·10
Moree....	b	67	47	0·69
Grafton..	b	85	50	0
Gr'n Inn's	b	67	38	0·74
Inverell..	c	70	40	0·76
Bourke..	b	69	46	0·66
Narrabri.	b	68	38	1·07
Armidale	b	65	51	0·80
L'ndem'r.	u	50	40	1·38
Grimed'h	b	65	15	0·93
G'namble	b	—	—	—
Lismore..	-	—	—	—
Walcha..	c	52	48	0·86
Tamw'rth	b	63	41	1·14
Coonab'n	c	64	36	0·96
P.M'cqrie	b	72	50	0·10
W'lcannia	b	—	—	—
M'rr'r'ndi	b	64	45	1·03
Taree....	b	—	51	0·08
Cassilis..	b	65	45	0
M'ss'lbr'k	b	72	43	0·28
Dubbo...	—	—	—	—
Menindie.	b	63	40	0
Singleton	b	73	51	0·11
N'ls'n's B.	b	77	49	0·10
28 51				
Mudg	b	71	33	0·51
Maitland.	b	75	48	0
Hill End.	b	—	—	0
N'wcastle	b	73	47	0
Orange..	c	60	33	1·00
Bathurst	b	63	35	0·40
Forbes...	c	60	35	0·58
M.V'ct'ria	b	44	33	0·37
Carcoar..	b	62	41	0·46
Cond'b'l'n	b	45	37	0·18
Marsdens	c	69	42	0·16
Picton...	b	74	44	0·02
Sydney..	b	75	49	0·04
Wentw'th	b	59	47	0·08
Young...	c	81	39	0·17
Woll'g'ng	b	83	41	0·05
Taralga..	b	63	32	0 84
Hay.....	b	61	38	0

Stations.	W't	M'x	Mn	R'in
Qeaunbey'n	c	64	38	0·20
Deniliquin.	b	60	32	0
Moruya....	b	73	41	0·17
Kiandra...	g	48	22	0·57
Albury....	b	62	39	0·14
Bodalla....	b	79	33	0·03
Cooma....	n	68	27	0·27
Eden.....	c	66	51	0
				70

23 30·58 R

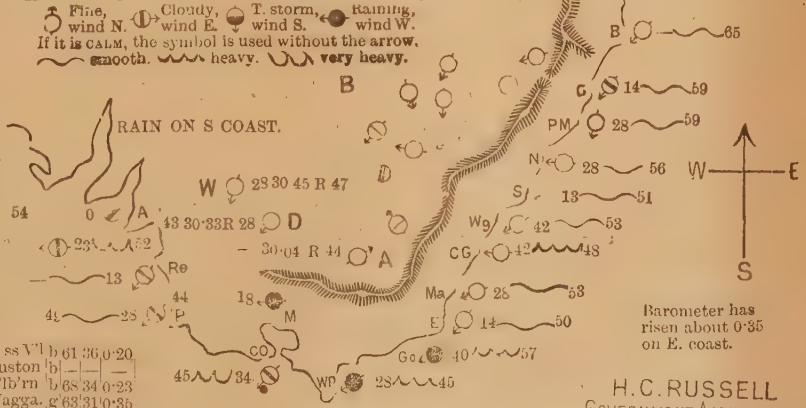
Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.

If it is CALM, the symbol is used without the arrow.

smooth. heavy. very heavy.



Barometer has risen about 0·35 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. SEPT. 12 1884

Sydney Observatory.

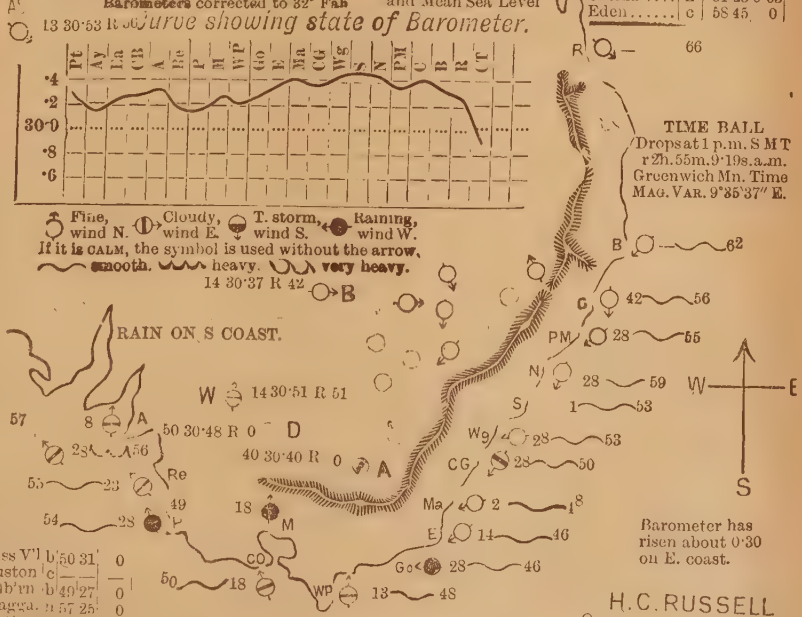
Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to August 31....38·616
Total Rainfall from Jan. 1st to September 12 37·111
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	Wt	M'x	Mn	R in
Casino...	b	75	38	0
T'nt'rfield	n	57	29	0
Clarence.	c	78	48	0
Moree....	b	67	40	0
Grafton..	b	81	46	0
Gs'n Inn's	n	65	29	0
Inverell..	n	66	31	0
Lowke..	b	66	43	0
Narrabri.	b	63	34	0
Armidale	n	62	43	0
L'ndem'r.	n	47	30	0
Gunned'h	–	—	—	—
Cumble	b	—	—	—
Lismore..	-	—	—	—
Walcha...	b	50	27	0
Tamw'rth	n	58	30	0
Coonab'n	n	58	26	0
P.M'cqrie	b	68	42	0
W'lcannia	b	—	—	—
M'rr'r'ndi	b	55	36	0
Taree....	c	—	42	0
Cassilis..	b	65	35	0
M'ss'lbr'k	b	63	41	0
Dubbo...	b	60	28	0
Menindie.	b	63	43	0
Singleton	b	63	41	0
N'ls'n's B.	b	70	42	0
8 62				
Mudg	n	61	24	0
Maitland.	b	67	42	0
Hill End.	b	—	—	0
N'wcastle	b	64	50	0
Orange..	b	46	22	0
Bathurst	n	48	26	0
Forbes...	n	58	28	0
M.V'ct'ria	b	43	35	0
Carcoar..	n	50	40	0
Cond'b'l'n	b	45	36	0
Marsdens	b	56	34	0
Picton...	b	57	30	0
Sydney..	b	59	44	0
Wentw'th	c	63	40	0
Young...	n	81	28	0
Wolf'g'ng	b	66	34	0
Taraiga..	n	51	25	0
Hay.....	b	61	34	0

Stations.	Wt	M'x	Mn	R'in
Qeaunbey'n	n	49	32	0
Deniliquin.	b	61	30	0
Moruya....	b	63	36	0
Kiandra...	n	42	9	0
Albury....	n	55	31	0
Bodalla....	b	63	27	0
Cooma....	n	51	23	0·03
Eden.....	c	58	45	0

Stations.	Wt	M'x	Mn	R in
M ss V'l	b	50	31	0
Euston	c	—	—	—
G'lb'rn	b	49	27	0
Wagga.	n	57	25	0
C. Geo.	g	59	42	0



H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. SEPT. 13 1884

Sydney Observatory.

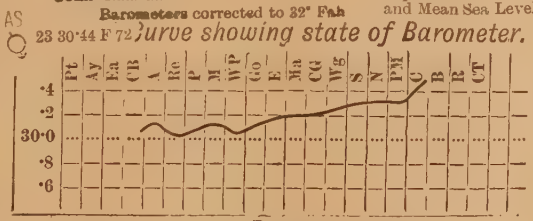
Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to August 31....38·616
Total Rainfall from Jan. 1st to September 13 37·111
Barometers corrected to 32° Fah and Mean Sea Level

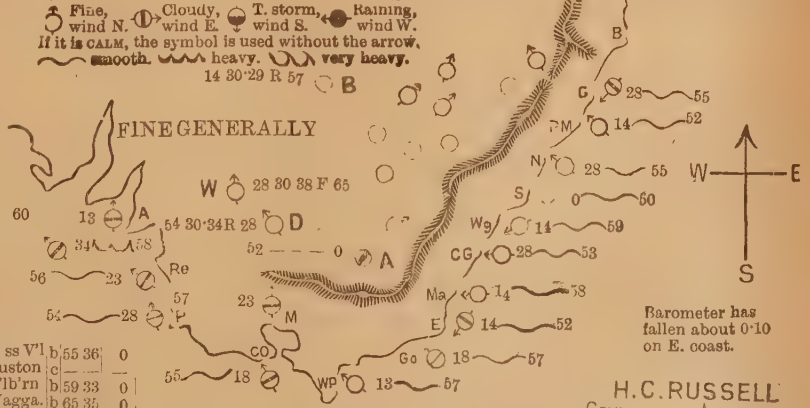
Stations.	wt	M'x	Mn	R in
Casino...	b	71	42	0
T'nt'rfield	n	64	31	0
Clarence.	c	75	49	0
Moree....	b	73	44	0
Grafton..	b	75	44	0
Gl'n Inn's	n	78	39	0
Inverell..	n	62	36	0
Bourke..	b	65	43	0
Narrabri.	b	62	35	0
Armidale	b	60	44	0
B'ndem'r.	n	51	32	0
Gunned'h	b	62	38	0
C'namble	b	—	—	—
Lismore..	-	—	—	—
Walcha..	b	53	26	0
Tamw'rth	b	62	34	0
Coonab'n	n	63	25	0
P.M'cqrie	b	65	43	0
W'lcannia	b	—	—	0
M'rr'r'ndi	b	57	38	0
Taree....	b	—	40	0
Cassilis..	b	54	35	0
M'ss'lbr'k	b	63	44	0
Dubbo...	b	66	30	0
Menindie.	b	68	44	0
Singleton	b	60	41	0
N'ls'n's B	b	75	53	0
Mudg	n	70	24	0
Maitland.	b	60	38	0
Hill End.	b	—	—	0
N'wcastle	b	62	42	0
Orange..	n	50	28	0
Bathurst	n	58	27	0
Forbes...	n	60	29	0
M.V'ct'ria	b	54	42	0
Carcoar..	n	53	41	0
Cond'b'l'n	b	45	37	0
Marsdens	n	60	40	0
Picton...	b	60	31	0
Sydney..	b	60	43	0
Wentw'th	c	75	46	0
Young...	n	71	33	0
Woll'g'ng	b	67	38	0
Taralga..	b	41	30	0
Hay.....	b	67	41	0

Stations.	wt	M'x	Mn	R'in
Qeaunbey'n	n	52	37	0
Deniliquin.	b	69	38	0
Moruya....	b	60	41	0
Kiandra...	n	50	28	0
Albury....	c	59	38	0
Bodalla....	b	65	33	0
Cooma....	n	63	30	0
Eden.....	c	59	46	0

Stations.	wt	M'x	Mn	R'in
M ss V'l	b	55	36	0
Euston	c	—	—	—
G'lb'rn	b	59	33	0
Wagga.	b	65	35	0
C. Geo.	b	60	41	0



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.



Barometer has fallen about 0·10 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER.

METEOROLOGY.

9 A.M. SEPT. 15 1884

Sydney Observatory.

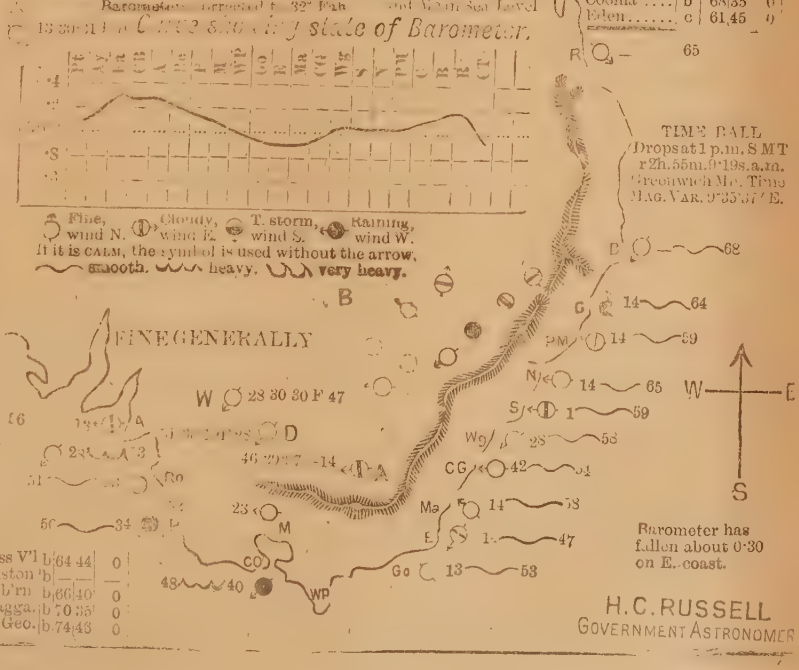
Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·31*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to August 31....38·616
Total Rainfall from Jan. 1st to September 15 37 111
Barometer corrected to 32° Fah. and Mean Sea Level

Stations.	wt	M'x	Mn	R'in
Casino...	u	81	46	0
Tinf'rfield	n	70	35	0
Clarence.	r	79	57	0
Morce....	u	75	58	0·07
Grafton..	u	[illegible]	[illegible]	0
G'n Inn's	p	76	[illegible]	0·05
Inverell..	p	66	[illegible]	[illegible]
Bourke..	b	[illegible]	[illegible]	0
Narrabri.	g	[illegible]	[illegible]	[illegible]
Armidale	b	[illegible]	[illegible]	[illegible]
[illegible]	r	53	35	0·68
[illegible]	u	74	35	0·22
[illegible]	b	—	—	0
[illegible]	c	[illegible]	[illegible]	0
Walcha..	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	c	[illegible]	[illegible]	[illegible]
[illegible]	b	74	37	0
[illegible]	c	72	51	0
[illegible]	b	—		[illegible]
M'rr'ndi	b	66	42	0
Taree....	b	—	51	0
Cassilis..	b	61	[illegible]	0
M'ss'lbr'k	b	77	[illegible]	0
Dubbo...	b	[illegible]	[illegible]	0
Menindie.	b	70	45	0
Singleton	b	72	43	0
N'ls'n's B	c	80	52	0
23 57				
Mudg	n	75	[illegible]	0
Maitland.	b	71	42	0
Hill End.	b	—	—	0
N'weastle	b	75	53	0
Orange..	b	57	36	0
Bathurst	b	66	30	0
Forbes...	c	69	32	0
M.A'ct'ria	b	60	40	0
Carcoar..	b	[illegible]	[illegible]	[illegible]
Cond'b'n	b	[illegible]	[illegible]	[illegible]
Marsdens	b	71	[illegible]	[illegible]
Picton...	c	69	35	0
Sydney..	c	73	43	0
Wentw'th	b	6[illegible]	44	0
Young...	b	71	[illegible]	0
Wolf'g'ng	b	[illegible]	[illegible]	0
Taralga..	b	66	32	0
Hay.....	b	74	36	0

Stations.	wt	M'x	Mn	R'in
Qeaunbey'n	b	62	38	0
Deniliquin.	b	72	35	0
Moruya....	b	77	42	0
Kiandra...	n	54	25	0
Albury..	u	68	34	0
Bodalla....	b	75	33	0
Cooma....	b	68	35	0
Eden.....	c	61	45	0

M ss V'l	b	64	44	0
Euston	b	—	—	—
G'lb'rn	b	66	40	0
Wagga.	b	70	35	0
C. Geo.	b	74	46	0



METEOROLOGY.

9 A.M. SEPT. 16 1884

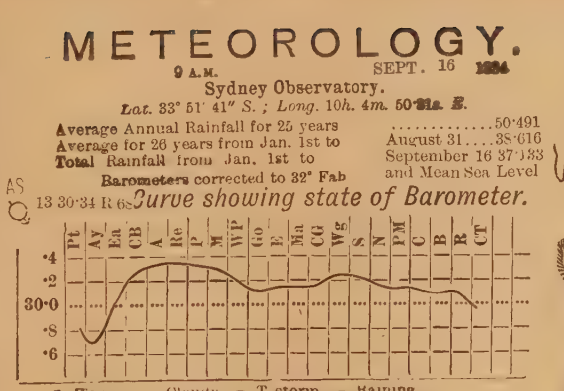
Sydney Observatory.

Lat. 33° 51′ 41″ S. ; *Long.* 10*h.* 4*m.* 50·21*s.* E.

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to August 31....38·616
Total Rainfall from Jan. 1st to September 16 37·033
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	wt	M'x	Mn	R in
Casino ...	g	76	51	0
Tht'rfield	g	65	46	0·09
Clarence .	g	69	56	0
Morce....	b	75	51	0
Grafton..	u	70	46	0·08
Gl'n Inn's	c	53	43	0·03
Inverell..	g	66	36	0·02
Bourke ..	b	74	48	0
Narrabri.	c	70	39	0
Armidale	c	65	54	0
B'ndem'r.	g	46	36	0·32
Gunned'h	b	73	44	0
C'namble	b	—	—	0
Lismore..	c	76	57	0
Walcha ..	c	59	33	0·04
Tamw'rth	b	70	36	0
Coonab'n	b	71	30	0
P.M'cqrie	c	77	52	0
W'lcannia	b	—	—	0
M'rr'r'ndi	b	67	40	0
Tarce....	c	79	49	0
Cassilis ..	b	64	38	0
M'ss'lbr'k	b	74	43	0
Dubbo. ..	b	69	31	0
Menindie.	b	67	50	0
Singleton	–	—	—	—
N'ls'n's B	u	78	53	0·01
Mudg	b	74	27	0
Maitland..	b	73	41	0
Hill End.	b	—	—	0
N'wcastle	c	77	56	0
Orange ..	n	52	32	0
Bathurst	b	59	29	0
Forbes. ..	b	70	34	0
M.V'ct'ria	b	56	41	0
Carcoar..	b	59	41	0
Cond'b'l'n	b	51	47	0
Marsdens	b	64	46	0
Picton. ..	b	66	32	0
Sydney ..	g	69	47	0·02
Wentw'th	b	67	40	0
Young. ..	b	77	32	0
Woll'g'ng	b	72	40	0
Taralga..	u	58	28	0
Hay.....	b	67	35	0

Stations.	w't	M'x	Mn	R'in
Queanbey'n	b	58	36	0
Deniliquin.	b	66	32	0
Moruya....	b	68	40	0
Kiandra...	n	42	21	0
Albury	b	60	32	0
Bodalla....	b	71	29	0
Cooma	n	59	29	0
Eden.....	c	66	51	0



H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. SEPT. 17 1894

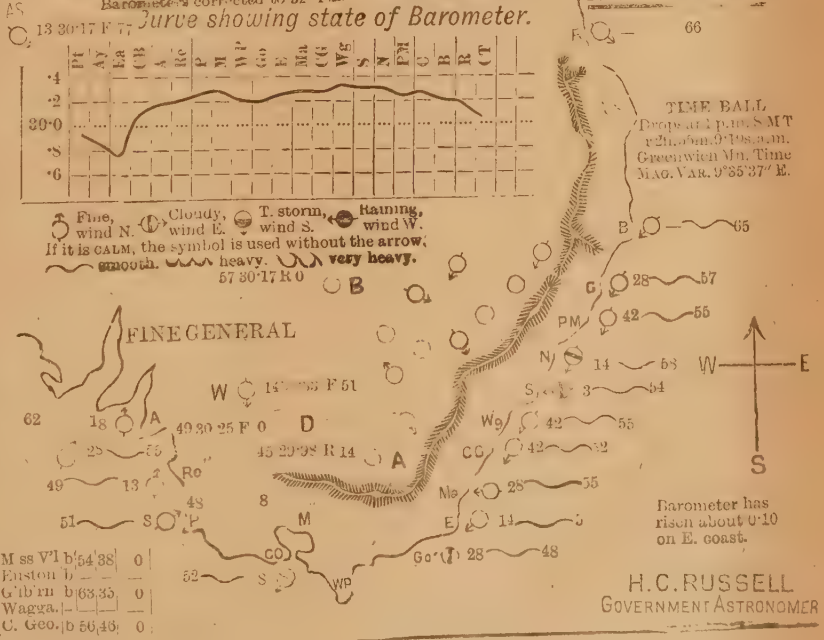
Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to August 31....38·616
Total Rainfall from Jan. 1st to September 17 37 138.
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	wt	M'x	Mn	R'in
Casino...	b	70	48	0
T'nt'rfield	b	67	39	0
Clarence.	c	78	51	0·17
Moree....	b	79	46	0
Grafton..	b	70	46	0
Gr'n Inn's	b	71	41	0·07
Inverell..	b	66	46	0
Bourke..	b	72	46	0
Narrabri.	b	70	38	0
Armidale	b	61	52	0
B'ndem'r.	b	55	38	0
Gunned'h	–	—		—
C'namble	b	—	—	0
Lismore..	b	69	54	0
Walcha..	u	59	39	0
Tamw'rth	b	68	40	0
Coonab'n	b	68	32	0
P.M'cqrie	b	68	47	0
W'lcannia	b	—	—	0
M'rr'r'ndi	b	61	40	0
Taree....	b	62	48	0
Cassilis..	b	59	35	0
M'ss'lbr'k	c	68	48	0
Dubbo...	b	67	40	0
Menindie.	b	68	42	0
Singleton	g	66	46	0
N'ls'n's B	b	75	49	0·08
25 78 Mudg	b	74	31	0
Maitland.	g	62	44	0
Hill End.	b	—	—	0
N'weastle	c	61	48	0·01
Orange..	b	53	33	0
Bathurst	b	61	30	0
Forbes...	b	70	35	0
M.V'ct'ria	g	59	40	0
Carcoar..	b	46	41	0
Cond'b'l'n	b	51	40	0
Marsdens	b	63	43	0
Picton...	b	61	33	0
Sydney..	c	58	47	0·01
Wentw'th	b	71	38	0
Young...	b	76	38	0
Wolf'g'ng	b	68	43	0·01
Taralga..	b	68	29	0
Hay.....	–	—	—	—

Stations.	wt	M'x	Mn	R'in
Queanbey'n	b	56	40	0
Deniliquin.	b	68	33	0
Moruya....	b	60	41	0
Kiandra...	n	42	25	0
Albury....	b	65	36	0
Bodalla....	b	66	31	0
Cooma....	n	58	24	0
Eden.....	b	66	44	0



M ss V'l	b	54	38	0
Euston	b	—	—	—
G'lb'rn	b	63	35	0
Wagga.	–	—	—	—
C. Geo.	b	56	46	0

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. SEPT. 18 1894

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s. E.*

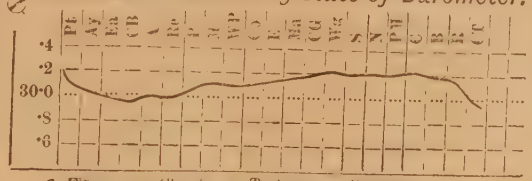
Average Annual Rainfall for 25 years ..... 50·491

Average for 26 years from Jan. 1st to August 31... 3·016

Total Rainfall from Jan. 1st to September 18 37·939.

Barometers corrected to 32° Fah and Mean Sea Level

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.

If it is CALM, the symbol is used without the arrow.

smooth. heavy. very heavy.

Stations.	wt	M'x	Mn	R'in
Casino...	b	76	46	0
T'nt'rfield	b	60	41	0
Clarence.	c	78	50	0·08
Morve....	b	78	59	0
Grafton..	b	80	52	0
Gl'h Inn's	c	73	42	0
Inverell..	b	64	40	0
Bourke ..	b	75	46	0
Narrabri.	b	71	41	0
Armidale	—	—	—	—
L'nden'r.	n	57	37	0
Gunned'h	b	70	45	0
C'ramble	b	—	—	0
Lismore..	—	—	—	—
Walcha...	c	61	31	0
Tamw'rth	b	69	39	0
Coonab'n.	b	71	32	0
P.M'cqrie	b	67	47	0
W'lcannia	b	—	—	0
M'rr'mdi	b	61	40	0
Taree....	b	—	45	0
Cassilis ..	f	58	39	0
M'ss'lbr'k	f	68	47	0
Dubbo. ..	b	74	38	0
Menindie.	b	75	46	0
Singleton	b	66	42	0
N'ls'n's R	c	78	47	0
61				
Mudg	b	72	31	0
Maitland.	b	64	41	0
Hill End.	b	—	—	0
N'wcastle	b	62	48	0
Orange..	b	56	34	0
Bathurst	b	69	31	0
Forbes...	b	72	35	0
M.V'ct'ria	b	55	40	0
Carcoar..	b	55	45	0
Cond'b'l'n	b	53	42	0
Marsdens	b	69	45	0
Picton...	g	64	35	0
Sydney ..	b	60	48	0
Wentw'th	b	77	42	0
Young. ..	b	76	35	0
Wol'g'ng	b	67	39	0
Taralga..	b	69	31	0
Hay.....	b	73	41	0

Stations.	wt	M'x	Mn	R'in
Queanbey'n	b	57	38	0
Deniliquin.	b	74	35	0
Moruya....	b	61	45	0
Kiandra...	n	54	18	0
Albury	b	68	36	0
Bodalla....	b	69	31	0
Cooma	n	65	26	0
Eden.....	c	66	52	0

TIME BALL

Drops at 1 p.m. S.M.T

or 2h. 55m. 9·19s. a.m.

Greenwich Mn. Time

MAG. VAR. 9°35′37″ E.

FINE GENERAL

Barometer has fallen about 0·10 on E. coast.

H. C. RUSSELL.

GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. SEPT. 19 1884

Sydney Observatory.

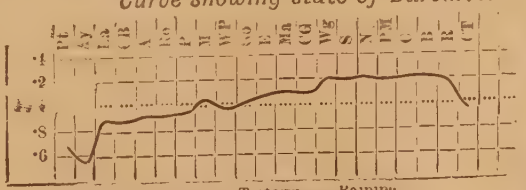
Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to August 31....38·616
Total Rainfall from Jan. 1st to September 19 37 140.
Barometers corrected to 32° Fah and Mean Sea Level

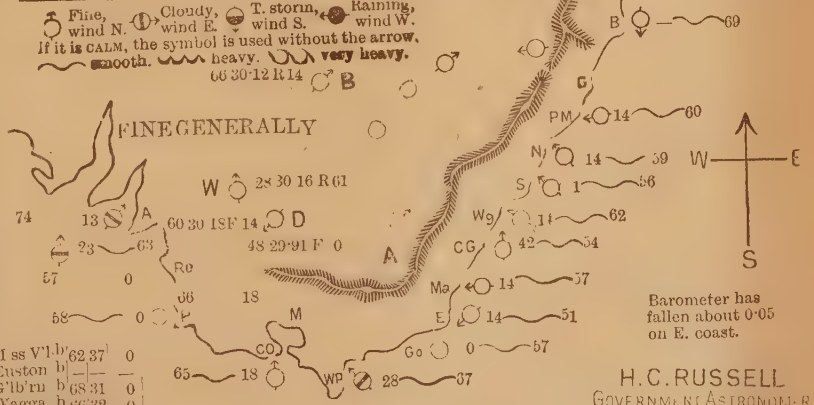
Stations.	Wt	M'x	Mn	R in
Casino...	b	78	49	0·21
T'nt'rfield	b	68	43	0
Clarence.	–	—	—	—
Moree....	b	81	50	0
Grafton..	b	79	51	0·23
G'n Inn's	b	74	47	0
Inverell..	b	64	39	0
Lourke..	b	79	46	0
Narrabri.	b	73	42	0
Armidale	b	65	50	0
B'ndem'r.	n	52	35	0
Gunned'h	b	73	45	0
C'namble	b	—	—	0
Lismore..	c	77	55	0·38
Walcha..	f	62	35	0
Tamw'rth	b	70	38	0
Coonab'n.	n	71	28	0
P.M'cqrie	b	68	46	0
W'lcannia	b	—	—	0
M'rr'r'ndi	b	63	38	0
Tarce....	b	—	43	0
Cassilis..	b	60	39	0
M'ss'lbr'k	b	70	44	0
Dubbo...	b	77	34	0
Menindie.	b	76	52	0
Singleton	b	66	44	0
N'ls'n's B	b	77	44	0
0 61				
Mudg	b	76	24	0
Maitland.	b	65	41	0
Hill End.	b	—	—	0
N'wcastle	b	64	47	0
Orange..	b	58	33	0
Bathurst	b	67	29	0
Forbes...	b	73	36	0
M.V'ct'ria	b	61	49	0
Carcoar..	b	57	38	0
Cond'b'l'n	b	54	43	0
Marsdens	b	71	46	0
Picton...	b	66	33	0
Sydney..	b	62	47	0
Wentw'th	c	83	47	0
Young...	b	82	36	0
Woll'g'ng	b	70	40	0
Taralga..	b	71	30	0
Hay.....	b	73	42	0

Stations.	Wt	M'x	Mn	R'in
Qeaunbey'n	b	61	38	0
Deniliquin.	b	79	36	0
Moruya....	b	66	41	0
Kiandra...	n	60	18	0
Albury....	b	71	32	0
Bodalla....	b	72	31	0
Cooma....	n	67	25	0
Eden.....	b	61	52	0

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.



M ss V'l.	b	62	37	0
Euston	b	—	—	—
G'lb'rn	b	68	31	0
Wagga.	b	66	32	0
C. Geo.	b	62	47	0

Barometer has fallen about 0·05 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. SEPT. 26 1888

Sydney Observatory.

Lat. 33° 51′ 41″ S., *Long.* 10*h.* 4*m.* 50·21*s.* E.

Average Annual Rain Fall For 25 years ..... 50·491

Average for 26 years from Jan. 1st to August 31.... 38·616

Total Rainfall from Jan. 1st to September 26 37 141.

Barometers corrected to 32° Fah. and Mean Sea Level

Curve showing state of Barometer.

30·21 R 67

Pt Ay Ba CB A Re P M WP Go E Ma Cg Wg S N PM C B R Ct

·4 ·2 30·0 ·8 ·6

Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.

If it is calm, the symbol is used without the arrow.

smooth heavy. very heavy.

67 30·01 F 14

CLOUDY GENERALLY

W 28 92·94 F 67

67 29·91 F 28

55 29·88 F 14

TIME BALL

Drops at 1 p.m. S.M.T.

or 2h. 55m. 9·19s. a.m. Greenwich Mn. Time

MAG. VAR. 9°35′37″ E.

Barometer has fallen about 0·05 on E. coast.

H. C. RUSSELL

GOVERNMENT ASTRONOMER

Stations.	wt	M'x	Mn	R in
Casino ...	b	78	41	0
Tent'rfield	b	70	35	0
Clarence..	–	—	—	—
Merec....	c	85	52	0
Grafton..	b	79	51	0
Gr'n Inn's	b	72	39	0
Inverell .	b	65	38	0
Bourke ..	u	81	62	0
Narrabri.	c	69	39	0
Armidale	b	61	49	0
B'ndem'r.	n	56	37	0
Gunned'h	b	74	43	0
C'ramble	b	—	—	0
Lismore..	b	76	46	0
Walcha ..	b	59	32	0
Tamw'rth	b	72	37	0
Coonab'n	c	76	33	0
P.M'cqrie	u	72	46	0
W'lcannia	b	—	—	0
M'rr'r'ndi	b	65	42	0
Taree....	b	—	42	0
Cassilis ..	b	64	39	0
M'ss'lbr'k	b	78	62	0
Dubbo. ..	g	82	36	0
Menindie.	g	83	65	0
Singleton	b	70	44	0
N'ls'n's R	b	79	46	0
Mudg	g	78	31	0
Maitland.	b	68	62	0
Hill End.	u	—	—	0
N'wcastle	b	70	48	0
Orange ..	g	66	54	0
Bathurst	c	71	32	0
Forbes...	c	81	41	0
M.V'et'ria	b	66	58	0
Carcoar..	u	59	50	0
Cond'b'l'n	u	66	49	0
Marsdens	c	76	51	0
Picton...	c	71	35	0
Sydney ..	c	66	47	0
Wentw'th	r	88	58	0·02
Young. ..	g	82	41	0
Woll'g'ng	b	74	45	0
Taralga..	u	73	31	0
Hay	u	88	43	0
M ss V'l	b	68	46	0
Euston	r	—	—	0
G'lb'rn	b	73	34	0
Wagga..	u	68	43	0
C. Geo.		68	37	0

Stations.	wt	M'x	Mn	R'in
Queanbey'n	b	65	40	0
Deniliquin.	u	86	54	0
Moruya....	b	64	43	0
Kiandra...	n	63	22	0
Albury	b	76	47	0
Bodalla....	u	77	31	0
Cooma	c	71	31	0
Eden.....	c	63	46	0

METEOROLOGY.

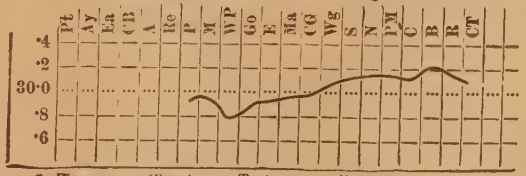
9 A.M. SEPT. 22 1894

Sydney Observatory.

Lat. 33° 51′ 41″ S., Long. 10h 4m. 50·81s E.

Average Annual Rainfall for 26 years .....50·491
Average for 26 years from Jan 1st to August 31....38·616
Total Rainfall from Jan. 1st to September 22 37 146.
Barometers corrected to 32° Fah and Mean Sea Level

Curve showing state of Barometer.



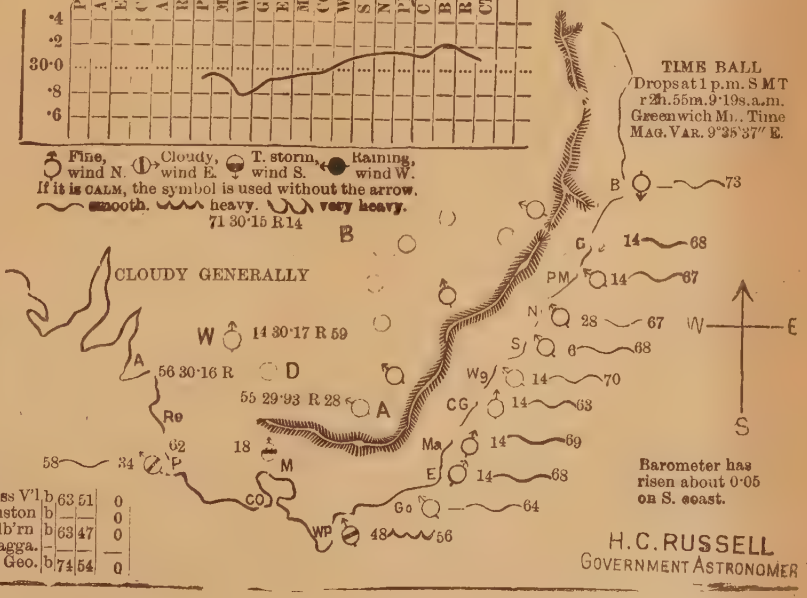
Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.

Stations.	Wt	M'x	Mn	R in
Casino	b	78	55	0
Tent'rfield	b	72	41	0
Clarence	b	82	58	0
Moree	b	80	48	0·24
Grafton	b	81	54	0
Gl'n Inn's	b	72	39	0
Inverell	b	68	40	0·13
Bourke	b	82	53	0
Narrabri	b	79	46	0·05
Armidale	b	65	49	0
B'ndem'r	b	60	39	0
Gunned'h	b	79	47	0
C'mamble	b	—	—	0
Lismore	b	79	58	0
Walcha	b	66	39	0
Tamw'rth	b	74	34	0
Coonab'n	b	74	39	0
P.M'cqrie	b	84	59	0
W'lcannia	b	—	—	0
M'rr'r'ndi	b	71	45	0
Taree	b	85	47	0
Cassilis	b	70	47	0
M'ss'lbr'k	c	78	57	0
Dubbo	b	73	38	0·22
Menindie	b	76	54	0
Singleton	b	70	56	0·10
N'ls'n's B		80	55	0
Mudg	b	75	34	0·27
Maitland	b	76	53	0
Hill End	b	—	—	0·25
N'wcastle	b	79	57	0
Orange	b	59	42	0
Bathurst	b	69	36	0·22
Forbes	b	74	53	0·16
M.V'ct'ria	b	52	48	0
Carcoar	b	61	46	0·35
Cond'b'l'n	b	60	51	0·14
Marsdens	b	71	56	0
Picton	b	72	46	0
Sydney	b	70	54	0·01
Wentw'th	b	75	45	0
Young	b	73	46	0
Woll'g'ng	b	83	49	0
Taralga	b	69	41	0
Hay	b	79	43	0

Stations.	Wt	M'x	Mn	R in
M'ss V'l	b	63	51	0
Euston	b	—	—	0
G'lb'rn	b	63	47	0
Wagga	—	—	—	—
C. Geo.	b	74	54	0

Stations.	Wt	M'x	Mn	R in
Qeaunbey'n	b	68	47	0·05
Deniliquin	b	82	44	0·40
Moruya	b	77	48	0
Kiandra	–	—	—	—
Albury	c	76	51	C
Bodalla	b	84	38	
Cooma	c	63	45	0·16
Eden	b	73	54	0

R 0 76



Barometer has risen about 0·05 on S. coast.

H.C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

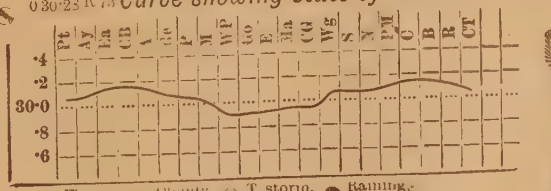
9 A.M. SEPT. 23 1884

Sydney Observatory.

Lat. 33° 51′ 41″ S., *Long.* 10h 4m. 50·81s. E.

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to August 31....38·616
Total Rainfall from Jan. 1st to September 23 37 146.
Barometers corrected to 32° Fah. and Mean Sea Level

0 30·23 R 73 *Curve showing state of Barometer.*

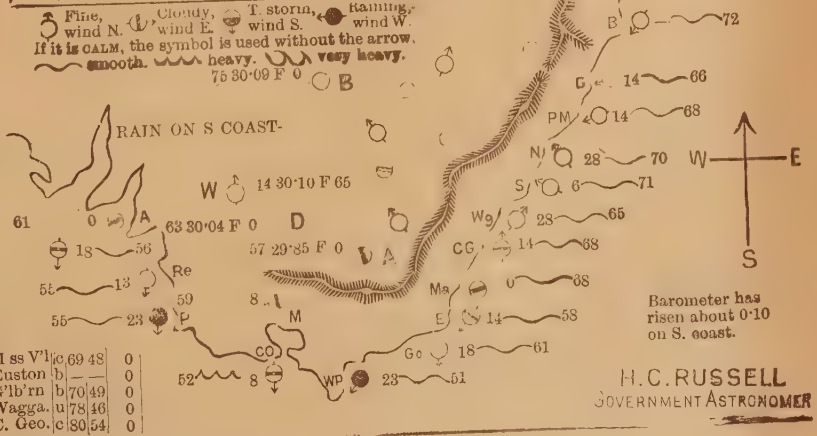


Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.

Stations.	wt	M'x	MN	R in
Casino ...	b	79	54	0
T'nt'rfield	n	79	61	0
Clarence .	b	86	57	0
Moree....	b	85	51	0
Grafton ..	b	86	54	0
Gl'n Inn's	b	68	39	0
Inverell ..	b	69	43	0
Bourke ..	b	84	59	0
Narrabri.	b	79	46	0
Armidale	b	64	52	0
B'ndem'r.	b	60	38	0
Gunned'h'	b	77	48	0
C'namble	b	—	—	0
Lismore..	b	80	51	0
Waloha ..	b	67	31	0
Tamw'rth	b	73	40	0
Coonab'n	b	80	36	0
P.M'cqrie	b	78	52	0
W'lcannia	b	—	—	0
M'rr'r'ndi	b	69	46	0
Taree....	b	79	51	0
Cassilis ..	b	69	47	0
M'ss'lbr'k	b	78	54	0
Dubbo. ..	b	81	40	0
Menindie.	b	83	59	0
Singleton	b	75	52	0
N'ls'n's B	b	83	53	0
8 63 Mudg	b	79	34	0
Maitland.	b	75	49	0
Hill End.	b	—	—	0
N'wcastle	b	78	57	0
Orange ..	b	63	38	0
Bathurst	b	69	37	0
Forbes. ..	b	80	47	0
M.V'ct'ria	b	66	56	0
Carcoar..	b	54	42	0
Cond'b'l'n	b	69	49	0
Marsdens	c	77	52	0
Picton. ..	c	76	45	0
Sydney ..	c	77	57	0
Wentw'th	b	87	55	0
Young. ..	g	83	43	0
Woll'g'ng	b	88	57	0
Taralga..	b	69	41	0
Hay	b	81	56	0

Stations.	w't	M'x	MN	R'in
Qeaunbey'n	b	68	44	0
Deniliquin.	b	80	48	0·03
Moruya....	g	78	57	0
Kiandra...	c	59	34	0
Albury	c	71	53	0·10
Bodalla....	g	78	46	0
Cooma	c	70	43	0
Eden.....	u	76	58	0

0 69



M ss V'l	c	69	48	0
Euston	b	—	—	0
G'lb'rn	b	70	49	0
Wagga.	u	78	46	0
C. Geo.	c	80	54	0

Barometer has risen about 0·10 on S. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

SEPT. 24 1884

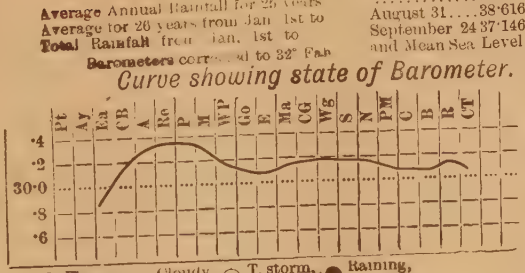
9 A.M.

Sydney Observatory.

Lat. 33° 51′ 41″ S., *Long.* 10*h.* 4*m.* 50·51*s.* E.

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to August 31....38·616
Total Rainfall from Jan. 1st to September 24 37·146.
Barometers corrected to 32° Fah. and Mean Sea Level

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy very heavy.

TIME BALL
Drops at 1 p.m. S MT
i.e. 2h. 55m. 0·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

RAIN ON S COAST.

Barometer has risen about 0·10 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

Stations.	wt	M'x	Mn	R'in
Casino ...	c	87	43	0
T'nt'rfield	c	74	63	0
Clarence .	b	87	58	0
Moree....	b	89	50	0
Grafton ..	b	88	56	0
Gl'n Inn's	b	74	40	0
Inverell ..	o	71	43	0
Bourke ..	b	99	64	0
Narrabri .	u	83	42	0
Armidale	b	65	53	0
B'ndem'r.	u	59	40	0
Gunned'h	–	—	—	—
C'ramble	b	—	—	0
Lismore..	–	—	—	—
Walcha ..	c	70	41	0
Tamw'rth	c	78	44	0
Coonab'n	c	81	45	0
P.M'cqrie	c	82	53	0
W'lcannia	b	—	—	0
M'rr'r'ndi	c	73	52	0
Taree....	g	86	53	0
Cassilis ..	b	73	57	0
M'ss'lbr'k	g	83	60	0
Dubbo. ..	b	83	53	0
Menindie.	g	90	56	0
Singleton	u	75	57	0
N'ls'n's B	–	—	—	—
13 62				
Mudg	b	82	48	0
Maitland.	u	78	54	0
Hill End.	b	—	—	0
N'ycastle	c	82	56	0
Orange ..	b	68	46	0
Bathurst	b	75	46	0
Forbes...	b	85	45	0
M.V'ct'ria	g	59	47	0
Carecar..	b.	64	51	0
Cond'b'l'n	b	54	46	0
Marsdens	c	85	55	0
Eyton....	g	73	52	0·02
Sydney ..	u	81	55	0
Wentw'th	c	70	44	0
Young...	b	81	45	0
Woll'g'ng	c	89	48	0
Taralga..	b	81	41	0
Hay.....	b	85	41	0

Stations.	wt	M'x	Mn	R'in
Queanbey'n	b	73	49	0
Deniliquin.	b	81	38	0
Moruya....	b	86	44	0
Kiandra...	n	61	28	0
Albury	b	76	41	0
Bodalla....	b	89	35	0
Cooma	c	75	34	0
Eden.....	b	74	47	0·21

Mss V'l'u		74	45	0
Euston	c	–	–	0
G'lb'rn	b	77	44	0·05
Wagga.	b	78	39	0
C. Geo.	b	76	46	0·05

METEOROLOGY.

9 A.M. SEPT. 25 1884

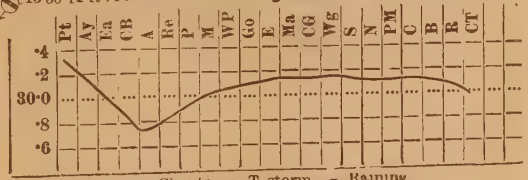
Sydney Observatory.

Lat. 33° 51′ 41″ S. ; *Long.* 10*h.* 4*m.* 50·81*s.* E.

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan 1st to August 31....38·616
Total Rainfall from Jan. 1st to September 25 37·169.
Barometers corrected to 32° Fah. and Mean Sea Level

13 30·11 R 74

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.

Stations.	wt	M'x	Mn	R'in
Casino ...	b	85	51	0
T'nt'rfield	u	74	57	0
Clarence .	c	82	56	0
Moree....	u	84	54	0
Grafton...	b	79	51	0
Gl'n Inn's	c	73	46	0
Inverell..	u	71	39	0
Bourke ..	u	81	63	0
Narrabri.	u	81	41	0
Armidale	b	64	53	0
B'ndem'r.	u	56	37	0
Gunned'h	u	80	49	0
C'ramble	–	—	—	—
Lismore..	c	77	61	0
Walcha ..	u	68	36	0
Tamw'rth	c	73	41	0
Coonab'n	g	75	40	0
P.M'cqrie	c	68	51	0
W'lcannia	u	—	—	—
M'rr'r'ndi	u	67	48	0
Taree....	g	—	52	0
Cassilis ..	c	71	49	0
M'ss'lbr'k	c	72	51	0
Dubbo. ..	–	—	—	—
Menindie.	p	64	53	0·29
Singleton	g	69	51	0
N'ls'n's B	g	70	51	0·05
34 60 Mudg	u	86	42	0
Maitland.	u	68	50	0
Hill End.	u	—	—	0
N'wcastle	p	67	53	0
Orange ..	g	60	37	0
Bathurst	g	68	35	0
Forbes.	g	74	42	0
M.V'ct'ria	u	58	47	0
Carcoar..	g	62	46	0
Cond'b'l'n	u	57	47	0
Marsdens	–	—	—	—
Picton...	c	68	41	0
Sydney ..	u	64	51	0·02
Wentw'th	p	71	50	0·11
Young...	g	83	42	0
Woll'g'ng	c	68	49	0
Taralga..	u	72	27	0
Hay	c	69	51	0

Stations.	wt	M'x	Mn	R'in
Queanbey'n	b	63	41	0
Deniliquin.	g	73	48	0
Moruya....	c	65	44	0
Kiandra...	n	61	27	0
Albury	g	70	42	0
Bodalla....	g	73	37	0
Cooma	n	60	31	0
Eden.....	u	61	48	0

M'ss V'l	u	64	45	0
Euston	r	—	—	0
G'lb'rn	c	70	38	0
Wagga.	c	65	39	0
C. Geo.	p	59	50	0·03

CLOUDY GENERALLY

TIME BALL
Drops at 1 p.m. S M T
i 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

Barometer has fallen about 0·15 on S. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. SEPT. 26 1884

Sydney Observatory

Lat. 33 51 41″ S. *Long* 10h 4m 50·81s E

Average Annual Rainfall for 25 years .....50·491

Average for 26 years from Jan. 1st to August 31....38·616

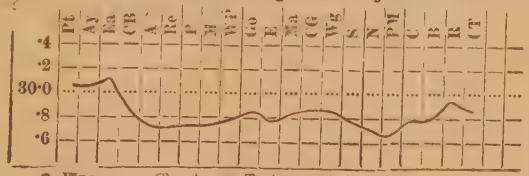
Total Rainfall from Jan. 1st to September 26 37·362.

Barometers corrected to 32° Fah and Mean Sea Level

Stations.	wt	M'x	MN	R in
Casino...	c	74	57	0·27
T'nt'rfield	p	70	61	0·95
Clarence.	u	83	56	0·68
Moree....	u	71	57	0·74
Grafton..	u	75	51	0·97
Gl'n Inn's	r	72	60	1·90
Inverell..	r	71	39	1·25
Bourke..	u	72	59	0·14
Narrabri.	p	69	39	0
Armidale	r	62	53	0·98
B'ndem'r.	r	58	43	1·14
Gunned'h	u	68	55	0·67
C'namble	b	—	—	0·30
Lismore..	b	71	61	0·26
Walcha..	r	61	46	1·02
Tamw'rth	r	67	51	1·11
Coonab'n	p	69	50	0·09
P.M'cqrie	p	89	56	1·12
W'lcannia	–	—	—	—
M'rr'r'ndi	r	61	51	1·30
Taree....	–	—	—	—
Cassilis..	u	60	53	0
M'ss'lbr'k	d	71	53	·09
Dubbo...	r	68	52	·4
Menindie.	p	67	53	[illegible]
Singleton	u	62	55	0·06
N'ls'n's B	r	60	52	0·40
☾ 13 60 Mudg	p	66	42	1·07
Maitland.	r	66	52	0·35
Hill End.	p	—	—	0·48
N'wcastle	q	59	54	0·33
Orange..	r	59	43	0·26
Bathurst	r	65	45	0·35
Forbes.	p	69	48	0·21
M.V'ct'ria	r	52	40	0·38
Carcoar..	r	58	45	0·15
Cond'b'l'n	u	57	47	0·42
Marsdens	p	66	53	0·34
Picton...	d	68	50	0·06
Sydney..	r	60	51	0·19
Wentw'th	u	58	51	0·22
Young...	r	63	35	0·54
Woll'g'ng	p	74	41	0·02
Taralga..	r	64	28	0·33
Hay.....	u	65	54	0·71

Stations.	wt	M'x	MN	R'in
Qeaunbey'n	u	59	43	0·03
Deniliquin.	r	66	48	0·26
Moruya....	u	60	50	0
Kiandra...	f	57	27	0
Albury....	u	61	49	0·06
Bodalla....	g	65	46	0
Cooma....	g	67	40	0
Eden.....	p	61	49	0·11

23 30·27 R 62 *Curve showing state of Barometer.*

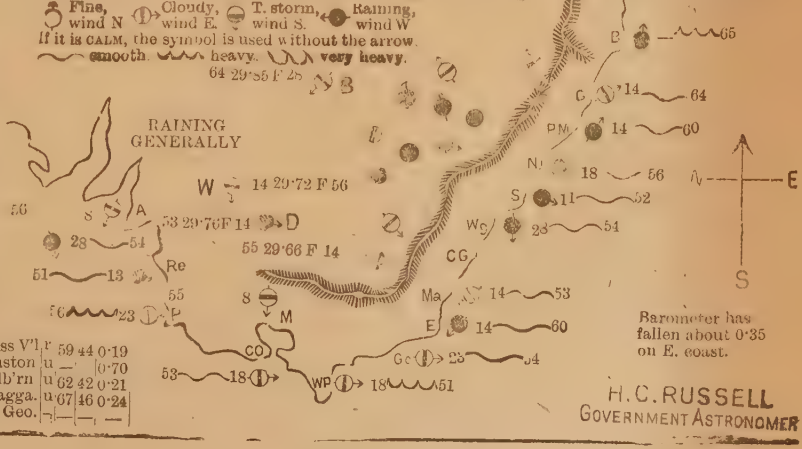


Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.

If it is CALM, the symbol is used without the arrow.

smooth. heavy. very heavy.

64 29·85 F 28



TIME BALL
Drops at 1 p.m. S M T
r 2h.55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9 35·37″ E.

Barometer has fallen about 0·35 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

SEPT 27 1884

9 A.M.

Sydney Observatory.

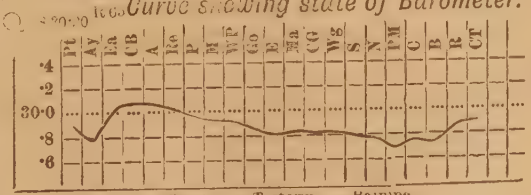
Lat. 33° 51′ 41″ S.; *Long.* 10*h.* 4*m.* 50·81*s.* E.

Average Annual Rainfall for 25 years ..... 50·491
Average for 26 years from Jan 1st to August 31 .... 38·616
Total Rainfall from Jan. 1st to September 27 38 254.
Barometers corrected to 32° Fah. and Mean Sea Level

Stations.	wt	M'x	Mn	R'in
Casino ...	b	83	48	0
T'nt'rfield	p	68	57	0·10
Clarence.	b	80	59	0
Moree....	u	72	57	0·01
Grafton..	c	83	54	0
Gl'n Inn's	p	62	60	0·15
Inverell..	r	68	54	0·14
Bourke ..	u	71	42	0·21
Narrabri.	u	73	41	0·03
Armidale	c	70	57	0·27
B'ndem'r.	c	57	48	0·93
Gunned'h	r	72	56	0·77
C'namble	p	—	—	—
Lismore..	c	83	58	0
Walcha ..	r	60	41	1·03
Tamw'rth	r	68	53	0·96
Coonab'n	r	70	59	1·64
P.M'cqrie	r	74	55	0·61
W'lcannia	u	—	—	—
M'rr'r'ndi	r	60	51	1·34
Taree....	r	72	55	0·41
Cassilis ..	r	52	51	—
M'ss'lbr'k	d	63	51	0·33
Dubbo. ..	u	71	51	0·87
Menindie.	p	64	55	0·21
Singleton	r	60	51	0·62
N'ls'n's B	g	74	62	0·80
23 63				
Mudg	p	68	46	1·00
Maitland.	r	63	50	0 40
Hill End.	r	—	—	1·15
N'wcastle	q	61	52	1·65
Orange ..	r	53	40	0·53
Bathurst	r	53	42	0·45
Forbes. ..	u	57	47	0·24
M.V'ct'ria	r	49	39	0·70
Carcoar..	r	52	44	0·50
Cond'b'l'n	d	54	43	0·55
Marsdens	u	59	51	0·23
Picton...	d	53	49	0·08
Sydney ..	p	55	52	0·89
Wentw'th	u	63	49	0·17
Young...	u	62	33	0·47
Woll'g'ng	r	60	46	0·63
Taralga..	r	69	29	0·73
Hay.....	u	59	48	0·06
M'ss V'l	r	47	42	0·80
Euston	c	—	—	0·30
G'lb'rn	p	49	41	0·44
Wagga.	u	56	45	0·12
C. Geo.	u	54	48	0·09

Stations.	wt	M'x	Mn	R'in
Qeaunbey'n	u	50	46	0·13
Deniliquin.	u	66	49	0·05
Moruya....	c	58	48	0·14
Kiandra...	r	50	20	0·08
Albury	u	62	52	0·06
Bodalla....	b	58	44	0·05
Cooma	g	52	39	0·05
Eden.....	u	61	48	0·04

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
if it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.

TIME BALL
Drops at 1 p.m. S MT
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

RAINING GENERALLY

Barometer has risen about 0·10 on S. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

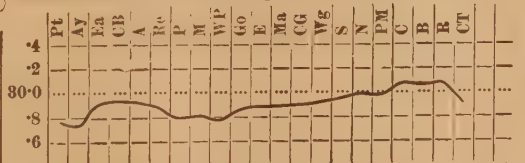
9 A.M. SEPT 29 1884

Sydney Observatory.

Lat. 33° 51′ 41″ S., *Long* 10*h.* 4*m.* 50·61*s.* E.

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to August 31....38·616
Total Rainfall from Jan. 1st to September 29 38·257.
Barometers corrected to 32° Fah. and Mean Sea Level

23 30·08 F 55 *Curve showing state of Barometer.*



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow.

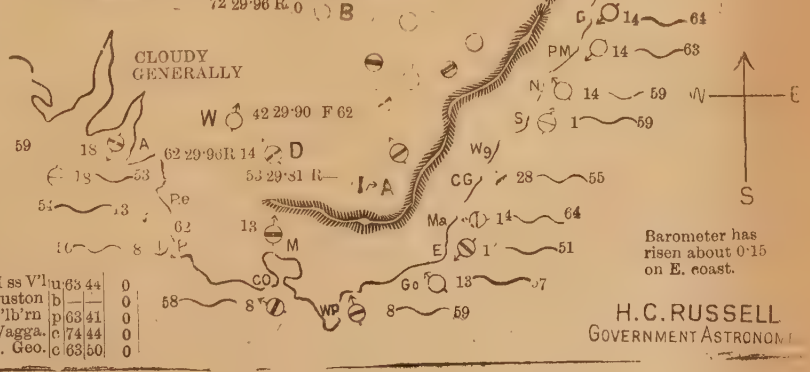
smooth. heavy. very heavy.

72 29·96 R 0

Stations.	wt	M'x	Mn	R'in
Casino...	b	76	54	0·03
Tent'rfield	b	67	55	0·29
Clarence.	c	72	56	0
Moree....	b	75	57	0·25
Grafton..	–	—	—	—
Gl'n Inn's	c	60	41	0
Inverell..	b	65	44	0·22
Bourke ..	b	77	54	0
Narrabri..	b	69	39	0·71
Armidale		—	—	—
B'ndem'r.	b	59	40	0·59
Gunned'h	b	60	46	0
C'namble	–	—	—	—
Lismore..	c	73	60	0·03
Walcha ..	b	57	39	0·02
Tamw'rth	b	67	43	0
Coonab'n	b	67	38	0
P.M'cqrie	b	67	49	0
W'lcannia	b	—	—	0
M'rr'r'ndi	b	61	44	0
Taree....	b	71	47	0
Cassilis ..	b	53	43	—
M'ss'lbr'k	b	69	51	0·24
Dubbo. ..	–	—	—	—
Menindie.	b	70	53	0
Singleton	b	63	47	0·36
N'ls'n's B	c	72	54	0
18 62				
Mudg	b	74	34	0
Maitland.	b	66	45	0
Hill End.	b	—	—	0·10
N'wcastle	b	62	48	0
Orange ..	u	53	38	0·64
Bathurst	u	63	33	0
Forbes. ..	g	72	45	0
M.V'ct'ria	c	58	36	0·20
Carcoar..	g	57	41	0·02
Cond'b'l'n	c	59	46	0
Marsdens	c	62	51	0
Picton. ..	c	66	39	0
Sydney ..	g	63	49	0
Wentw'th	b	76	55	0·01
Young. ..	g	71	42	0
Woll'g'ng	–	—	—	—
Taralga..	g	61	25	0·21
Hay.....	u	71	41	0

Stations.	wt	M'x	Mn	R'in
Queanbey'n	g	64	43	0·
Deniliquin.	c	72	35	0
Moruya....	c	65	47	0
Kiandra...	g	51	31	0
Albury	g	68	43	0
Bodalla....	b	70	36	0
Cooma	c	68	32	0
Eden.....	c	64	47	0

Mss V'l	u	63	44	0
Euston	b	—	—	0
G'lb'rn	p	63	41	0
Wagga.	c	74	44	0
C. Geo.	c	63	50	0



H.C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. SEPT 30 [illegible]

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to August 31....38·616
Total Rainfall from Jan. 1st to September 30 38 258.
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	wt	M'x	MN	R in
Casino...	b	80	46	0
T'nt'rfield	b	70	56	0
Clarence.	b	84	57	0
Moree....	b	81	53	0
Grafton..	b	80	53	0
Gl'n Inn's	b	63	39	0
Inverell..	b	66	45	0
Bourke..	b	84	58	0
Narrabri.	c	76	44	0
Armidale	b	64	54	0
B'ndem'r.	b	68	42	0
Gunned'h	–	—	—	—
C'namble	b	—	—	0
Lismore..	–	—	—	—
Walcha..	b	58	40	0
Tamw'rth	b	72	45	0
Coonab'n	b	75	40	0
P.M'cqrie	b	70	52	0
W'lcannia	g	—	—	0
M'rr'r'ndi	b	66	55	0
Taree....	–	—	—	—
Cassilis..	b	66	48	0
M'ss'lbr'k	b	77	55	0
Dubbo...	b	76	43	0
Menindie.	p	77	55	0
Singleton	b	72	51	0
N'ls'n's B	b	79	68	0
40 54 Mudg	b	74	35	0
Maitland.	b	73	49	0
Hill End.	b	—	—	0
N'wcastle	b	72	54	0
Orange..	b	62	39	0
Bathurst	b	65	38	0
Forbes.	c	75	43	0
M.V'ct'ria	b	[illegible]	[illegible]	0
Carcoar..	b	59	41	0
Cond'b'l'n	g	59	48	0
Marsdens	b	72	52	0
Picton...	b	70	40	0·01
Sydney..	b	70	52	0
Wentw'th	c	74	47	0·02
Young...	c	66	41	0
Woll'g'ng	b	78	49	0
Taralga..	b	61	41	0
Hay.....	u	79	46	0
M ss V'l	b	65	47	0·01
Euston	u	—	—	0
G'lb'rn		63	38	0·01
Wagga	b	66	39	0
C. Geo.	b	74	51	0·09

Stations.	wt	M'x	MN	R'in
Qeaunbey'n	b	63	42	0·03
Deniliquin.	u	80	42	0
Moruya....	b	74	41	0·05
Kiandra...	n	52	34	0·19
Albury....	n	65	45	0·10
Bodalla....	b	78	41	0·03
Cooma....	b	71	34	0·09
Eden.....	b	65	48	0

23 29·98 F 88 *Curve showing state of Barometer.*

Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.

73 29·92 F 0

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. OCTOBER 1 [illegible]

Sydney Observatory.

Lat. 33° 51′ 41″ S., *Long.* 10h. 4m. [illegible]

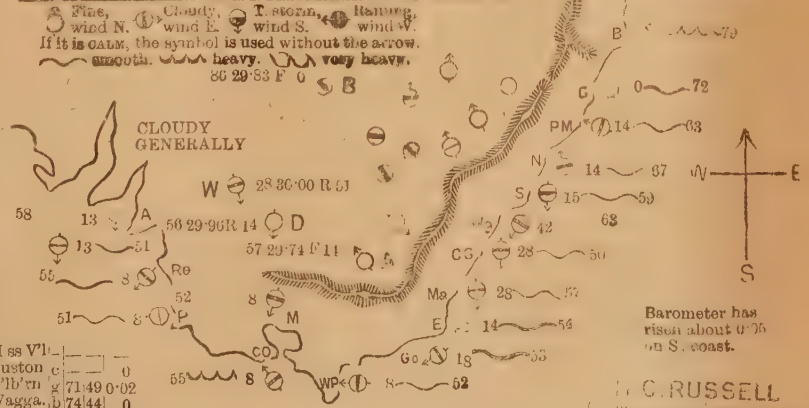
Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to September 30 41·863
Total Rainfall from Jan. 1st to October 1 ..38·266.
Barometers corrected to 32° Fah. and Mean Sea Level

Stations.	W	M'x	MD	R'in
Casino ...	b	93	0	0
T'nt'rfield	b	78	59	0
Clarence .	b	59	63	0
Moree....	b	59	60	0
Grafton ..	b	[illegible]son's Prom.		
Gl'n Inn's	c	76	49	0
Inverell ..	b	75	49	0
Bourke .	c	59	72	0
Narrabri.	g	84	46	0
Armidale	b	67	57	0
B'ndem'r.	b	62	44	0
Gunned'h'	c	82	60	0
C'uamble	b	—	—	0
Lismore..	b	93	57	0
Walcha ..	g	70	46	0
Tamw'rth	c	77	53	0
Coonab'n	c	81	55	0
P.M'cqrie	c	79	57	0
W'lcannia	u	—	—	0
M'rr'r'ndi	c	71	57	0
Taree....	u	85	59	0
Cassilis ..	c	68	55	
M'ss'lbr'k	g	80	59	0
Dubbo. ..	o	80	57	0
Menindie.	g	77	55	0
Singleton	b	74	54	0
N'ls'n's B	g	74	56	0
0 58 Mudg	u	75	48	0
Maitland.	b	78	55	0
Hill End.	u	—	—	0
N'wcastle	c	78	59	0
Orange ..	u	65	50	0·03
Bathurst	u	70	52	0·02
Forbes. ..	g	77	40	0
M.V'ct'ria	u	66	50	0·06
Carcoar..	u	62	51	0·01
Cond'b'l'n	u	65	53	0
Marsdens	c	72	56	0
Picton. ..	u	75	51	0
Sydney ..	u	71	56	0·01
Wentw'th	c	69	44	0
Young. ..	g	74	52	0·02
Woll'g'ng	c	74	52	0
Taralga..	b	64	38	0
Hay.....	u	67	41	0

Stations.	W	M'x	MD	R'in
Queanbey'n	b	68	48	0
Deniliquin.	c	67	43	0
Moruya...	g	58	52	0
Kandra. .	c	63	34	0·07
Albury	b	69	49	0·02
Bodalla	c	73	46	0
Cooma ..	c	75	39	0
Eden. ...	u	65	54	0

23 30·15 R 68 *Curve showing state of Barometer.*

Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.



Barometer has risen about 0·05 on S. coast.

C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. 9th ... 1888.

Sydney Observatory.

Lat. 33° 51' 41" S., *Long.* 10h. 6m. 50·8s. E.

Average Annual Rainfall for 50 years ..... 50·491

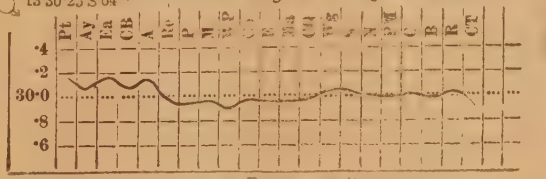
Average for 26 years from Jan. 1st to September 30 41·863

Total Rainfall from Jan. 1st to October 3 ... 38·266

Barometers corrected to 32° Fah. and Mean Sea Level

Curve showing state of Barometer.

13 30·25 S 64



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.

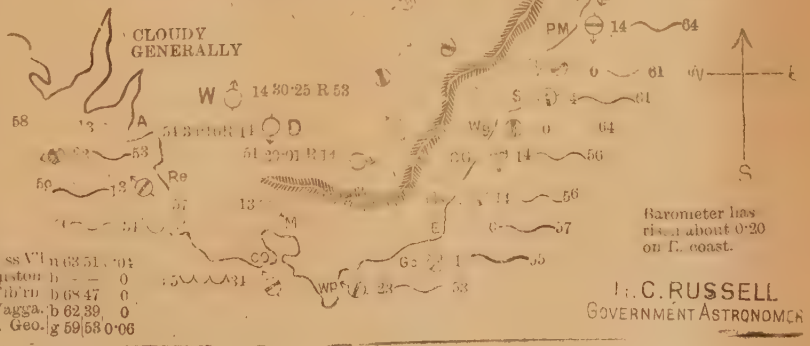
If it is CALM, the symbol is used without the arrow.

smooth. heavy ... very heavy

6z 29·6ell 1z

Stations.	Wt	M'x	Mn	R in
Casino ..	b	99	54	0
Tent'rfield	b	88	66	0
Clarence .	b	88	65	0
Moree....	g	94	62	0
Grafton ..	c	90	62	0
Gl'n Inn's	o	79	52	0
Inverell ..	g	78	58	0
Bourke ..	r	92	63	0·19
Narrabri .	u	88	50	0
Armidale	g	70	54	0
B'ndem'r.	u	60	55	0
Gunned'h	–	—	—	—
C'naumble	c	—	—	0
Lismore..	–	—	—	—
Walcha ..	g	69	51	0
Tamw'rth	c	80	56	0
Coonab'n	p	88	56	0·06
P.M'cqrie	g	80	60	0
W'lcannia	u	—	—	0
M'rr'r'ndi	r	76	58	0·13
Taree....	g	84	61	0
Cassilis ..	–	—	—	
M'ss'lbr'k	g	85	51	0·02
Dubbo. ..	o	85	54	0·02
Menindie.	c	64	52	0
Singleton	u	83	61	0
N'ls'n's P	g	78	57	0
13 63				
Mudg	u	77	45	0·06
Maitland.	u	81	59	0
Hill End .	c	—	—	0·05
N'wcastle	g	80	58	0
Orange ..	g	66	45	0
Bathurst	b	70	46	0
Forbes. ..	b	72	39	0
M. V'ct'ria	–	—	—	—
Carcoar..	g	65	50	0
Cond'b'l'n	g	58	49	0
Marsdens	u	71	52	..
Picton...	o	70	52	0
Sydney ..	g	65	58	0
Wentw'th	b	67	58	0
Young....	g	82	43	0
Wolf'g'ng	c	72	..	0
Taralga..	f	61	43	0
Hay.....	b	71	41	0

Stations.	Wt	M'x	Mn	R'in
Queanbey'n	b	63	51	0
Deniliquin.	b	69	36	0
Moruya....	u	61	52	0·06
Kiandra....	c	66	21	0
Albury	b	72	40	0
Bodalla....	g	63	47	0
Cooma	c	66	37	0·54
Eden.....	b	57	51	0



TIME BALL

Drops at 1 p.m. S M T

r 2h 55m.9·19s.a m.

Greenwich Mn. Time

MAG. VAR. 9°35'37" E.

Barometer has risen about 0·20 on E. coast.

H. C. RUSSELL

GOVERNMENT ASTRONOMER

METEOROLOGY.

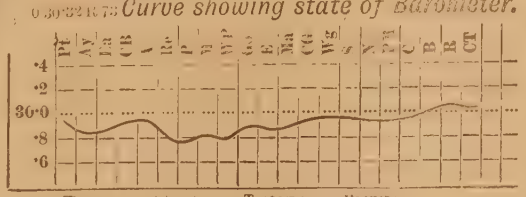
9 A.M. OCT'R 3 1878

Sydney Observatory

Lat. 33° 51′ 41″ S., *Long.* 10h 4m 50·4s E.

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan 1st to September 30 41·863
Total Rainfall from Jan. 1st to October 3 ..38·266.
Barometers corrected to 32° Fah and Mean Sea Level

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth heavy very heavy.

Stations.	wt	M'x	M'n	R in
Casino ...	c	90	64	0·02
Fn't'rfield	u	83	68	0
Clarence .	u	92	46	0
Moree....	p	83	57	0·45
Grafton ..	c	95	64	0
Gl'n Inn's	p	81	51	0·23
Inverell..	c	74	53	0·55
Bourke ...	b	70	54	0·55
Narrabri.	u	78	46	0·50
Armidale	b	64	58	0·76
B'ndem'r.	r	55	53	0·88
Gunned'h	c	66	56	0·46
C'namble	b	—	—	
Lismore..	g	88	70	0
Walcha ..	u	69	50	0·73
Tamw'rth	c	69	55	0·69
Coonab'n	b	79	57	0·33
P.M'cqrie	c	70	60	0·78
W'leannia	b	—	—	0
M'rr'r'ndi	b	64	54	0·67
Taree....	g	—	61	0·98
Cassilis ..	b	65	58	
Mss'lbr'k	b	68	60	0·27
Dubbo. ...	b	77	43	0·01
Menindie.	b	70	51	0
Singleton	b	66	54	0·12
N'ls'n's B	b	70	57	0·36
23 79				
Mudg	b	71	40	0·03
Maitland.	b	72	57	0
Hill End .	b	—	—	0
N'wcastle.	b	68	58	0
Orange ..	g	62	42	0
Bathurst	b	69	39	0
Forbes. ..	b	71	40	0
M.V'ct'ria	b	67	50	0
Carcoar..	b	63	49	0
Cond'b'l'n	b	57	44	0
Marsdens	b	66	47	0
Picton. ..	b	73	50	0·04
Sydney ..	b	67	57	0
Wentw'th	b	70	43	0
Young. ...	b	73	37	0
Woll'g'ng	b	72	51	0
Taralga..	b	65	41	0
Hay	b	69	41	0

Stations.	wt	M'x	M'n	R in
Mss Vl'e	b	67	46	0
Euston	b	—	—	0
G'lb'rn	b	63	43	0
Wagga.	b	76	36	0
C. Geo.	c	66	51	0

Stations.	wt	M'x	M'n	R in
Queanbey'n	b	64	43	0
Deniliquin.	b	72	42	0
Moruya....	b	67	48	0
Kiandra...	n	67	26	0
Albury	b	70	43	0
Bodalla....	b	70	37	0
Boom't	n	75	32	0
Eden.....	b	65	49	0

TIME BALL
Drops at 1 p.m. S MT
or 2h.55m.9·19s.a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

CLOUDY GENERALLY

W 42 30·12 F 58

59 29·82F 14 D

54 29·88 F 0

63 30·09 R 0

fallen above ... on E. coast.

H.C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. OCT'R 4 1884

Sydney Observatory.

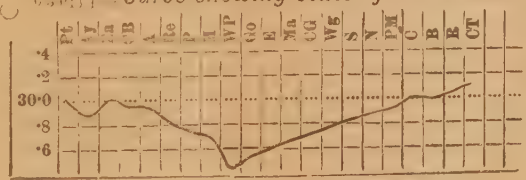
[illegible] Long. 10h. 4m. 50·81s. E.

Average [illegible] for 25 years .....50·491
Average [illegible] from Jan. 1st to September 30 41·863
Total Rainfall from Jan. 1st to October 4 ..38·266.
Barometer corrected 30·32" Fah. and Mean Sea Level

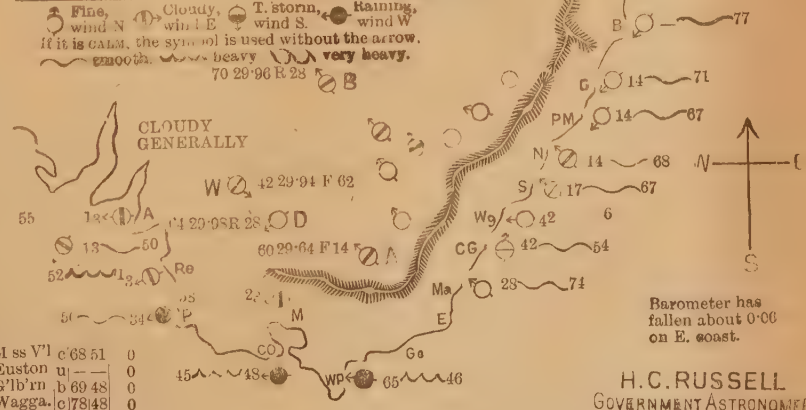
Stations.	Wt	M'x	Mn	R'in
Casino...	b	86	50	0
T'nt'rfield	b	81	58	0
Clarence.	b	81	61	0
Moree....	b	73	49	0·02
Grafton..	b	94	57	0
Gl'n Inn's	b	70	42	0
Inverell..	b	72	46	0·02
Bourke..	c	77	55	0
Narrabri.	b	75	39	0
Armidale	b	62	53	0
B'ndem'r.	b	59	42	0
Gunned'l.	-	—	—	—
C'namble	b	—	—	0
Lismore..	b	[illegible]	57	0
Walcha..	b	62	35	0·02
Tamw'rth	b	76	44	0
Coonab'n	c	74	57	0
P.M'cqrie	b	77	53	0
W'lcannia	b	—	—	0
M'rr'r'ndi	b	67	53	0
Taree....	c	79	49	0
Cassilis..	b	67	46	—
M'ss'lbr'k	b	76	58	0
Dubbo...	b	78	41	0
Menindie.	b	79	62	0
Singleton	b	75	58	0
N'ls'n's B	c	78	52	0
0 68 Mudg	b	75	55	0
Maitland.	c	73	55	0
Hill End.	b	—	—	0
N'wcastle	c	76	59	0
Orange..	b	62	38	0
Bathurst	c	68	39	0
Forbes...	c	78	42	0
M.V'ct'ria	c	65	54	0
Carcoar..	b	63	54	0
Cond'b'l'n	c	65	45	0
Marsdens	-	-	-	—
Picton...	c	74	44	0
Sydney..	g	74	58	0
Wentw'th	g	82	56	0
Young...	c	68	43	0
Woll'g'ng	c	76	48	0
Taralga..	b	61	38	0
Hay.....	b	76	57	0

Stations.	Wt	M'x	Mn	R'in
Qeaunbey'n	b	68	44	0
Deniliquin.	c	75	56	0
Moruya....	c	75	57	0
Kiandra...	u	60	40	0
Albury....	u	73	53	0
Bodalla....	b	74	41	0
Cooma....	c	73	43	0
Eden.....	-	—	—	—

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy very heavy.



Barometer has fallen about 0·06 on E. coast.

M ss V'l	c	68	51	0
Euston	u	—	—	0
G'lb'rn	b	69	48	0
Wagga.	c	78	48	0
C. Geo.	c	71	56	0

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. OCTR 6 1894

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long.* 10*h.* 4*m.* 50·61*s.* *E.*

Average Annual Rainfall for [illegible] years ..... 50·401

Average for 24 years from Jan. 1st to [illegible] September 30 ... 32·

Actual Rainfall from Jan. 1st to [illegible] ... 32·

Barometer corrected to M[illegible] ... Level

Curve showing state of barometer.

Stations.	wt	M'x.	Mn	R'fall
Casino....	b	94	48	0
Tut'rfield	b	77	67	0
Clarence.	b	89	60	0
Morce....	g	87	54	0
Grafton..	b	93	57	0
Gl[illegible]	b	80	41	0
[illegible]well..	g	74	50	0
Bourke..	u	81	51	0
Narrandi..	u	80	42	0
Ar[illegible]	g	81	53	0
B[illegible]r.	g	78	45	0
Cootamu[illegible]		—	—	
C[illegible]mble	b	—	—	0
Lismore..	b	82	59	—
Walcha ..	c	70	43	0·02
Tam[illegible]rth		[illegible]		[illegible]
Cop[illegible]	g	—	47	0
P. W[illegible]	c	—	—	0
Wilcannia	c	—	—	—
M[illegible]rt'land	c	72	52	—
Tam[illegible]		—	55	0
Cr[illegible]		—	52	0
M[illegible]'s	g	—	—	0·05
[illegible]	r	—	—	0·01
Merindie..		72	52	0·15
Singleton	r	72	50	0·08
N'ls'n's B	r	81	51	0·03
		0	62	
C[illegible]		75	43	0·04
Maitland..	r	—	—	0·07
Bath[illegible]	g	—	—	0·21
N'[illegible]	g	—	—	0·13
Cam[illegible]	g	67	45	0·15
Bathurst	u	72	45	0·15
Forbes...	g	75	41	0·23
M[illegible]		—	—	0
C[illegible]		—	—	0·[illegible]
C[illegible]		—	—	—
M[illegible]		—	—	—
P[illegible]		—	—	—
[illegible]	p	[illegible]		[illegible]
Wentw'th	b	68	47	0·07
Young...	u	68	49	0
Wol[illegible]	r	68	49	0
Taralga..	g	70	40	0
Hay.....	b	76	40	0

Stations.	wt	M'x.	Mn	R'fall
Queanbey'n	b	69	45	0
Denilliquin.	c	70	38	0
Moruya....	c	78	50	0
Kiandra...	n	57	21	0
Albury	b	72	38	0
Bodalla....	b	8[illegible]	49	0
Cooma	n	[illegible]	28	0
[illegible]	[illegible]	[illegible]	49	0

Stations.	wt	M'x.	Mn	R'fall
Mess V'l'u	g	67	45	0
Euston b...	—	—	—	0
Ald'rm	b	66	37	0
Wagga..	c	80	36	0
C. Geo..	d	76	54	0·04

CLOUDY GENERALLY

FLAT RATE

Greenwich Mn. Time

PM

COOMA

MENTAS

69 45
70 38
73 50
57 9
72
8

METEOROLOGY.

9 A.M. OCT'R 7 1884

Sydney Observatory.

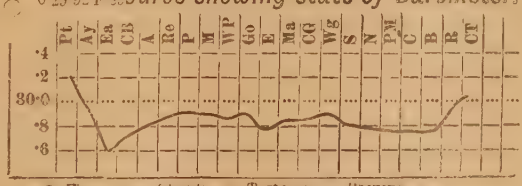
Lat. 33° 51 41″ S. ; *Long.* 10*h.* 4*m.* 50·81*s.* E.

Average Annual Rainfall for 25 years ..... 50·491
Average for 26 years from Jan. 1st to September 30 41·863
Total Rainfall from Jan. 1st to October 7 ..28·822.
Barometers corrected to 32° Fah. and Mean Sea Level

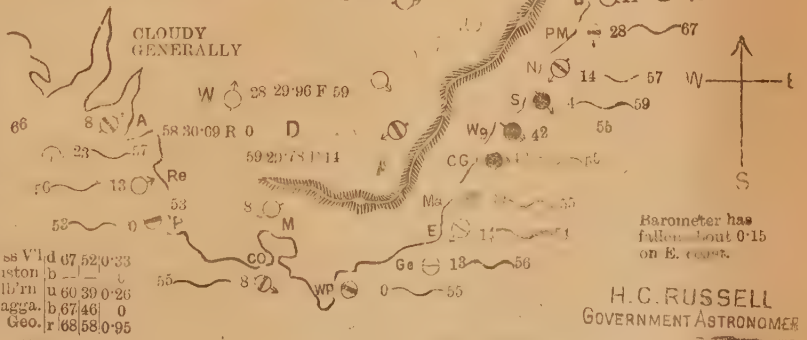
Stations.	wt	M'x	Mn	R'in
Casino...	b	86	47	0·02
Tnt'rfield	b	77	61	0
Clarence..	b	88	59	0·07
Moree....	b	90	[illegible]	0
Grafton..	b	86	55	0·02
Gl'n Inn's	b	74	[illegible]	0
Inverell..	b	77	41	0
Bourke..	b	77	57	0
Narrabri.	m	83	42	0
Armidale	c	64	57	0
B'ndem'r.	b	65	46	0·10
Gunned'h	c	82	51	0
Cnamble	b	—	—	0
Lismore..	—	—	—	—
Walcha..	b	65	45	0·03
Tamw'rth	—	—	—	—
Coonab'n	b	69	38	0
P.M'cqrie	c	75	62	0·31
W'lcannia	b	—	—	0
M'rr'ndi	o	66	53	0·05
Taree....	g	73	60	1·43
Cassilis..	g	63	55	0
M'ss'lbr'k	g	70	57	0·09
Dubbo...	b	64	43	0·13
Menindie.	c	72	50	0
Singleton	u	67	55	0·20
N'ls'n's B	g	66	52	1·40
18 64 Mudg	b	78	44	0·12
Maitland.	r	66	54	0·35
Hill End..	b	—	—	0·84
N'wcastle	g	63	55	1·51
Orange ..	b	57	43	0·68
Bathurst	b	54	45	0·84
Forbes....	b	66	38	0·07
M.V'ct'ria	u	52	40	1·05
Carcoar..	b	59	48	0·15
Cond'b'l'n	b	56	43	0·06
Marsdens	b	67	52	0
Picton...	g	61	53	0·36
Sydney ..	p	60	55	0·19
Wentw'th	b	71	64	0
Young....	c	70	44	0
Woll'g'ng	r	66	47	2·05
Taralga..	d	56	45	0·28
Hay.....	b	71	42	0

Stations.	wt	M'x	Mn	R'in
Queanbey'n	g	61	41	0·05
Deniliquin.	b	73	35	0
Moruya....	r	64	61	1·01
Kiandra...	g	60	36	0
Albury	b	77	49	0
Bodalla....	r	69	48	0·31
Cooma	c	71	43	0
Eden.....	u	65	52	0
Moss Vale	d	67	52	0·33
Euston	b	—	—	—
Gl'b'rn	u	60	39	0·26
Wagga..	b	67	46	0
C. Geo.	r	68	58	0·95

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy very heavy.



H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. OCT'R 8 1884

Sydney Observatory.

Lat. 33° 51′ 40″ S., Long. 9h. 5m. 50·61s. E.

Average Annual Rainfall ..... 50·491

Average for September 30 41 ·62

Total Rainfall from ..... 39·29

Rain ..... 0·

Curve showing state of Barometer.

Stations.	wt	M'x	Mn	R in
Casino	–	—	—	—
Tnt'rfield	–	—	—	—
Clarence	c	57	39	0
Moree	g	74	55	0
Grafton	b	68	57	0
Gl'n Inn's	g	70	41	0
Inverell	u	74	41	0
Bourke	u	74	46	0
Narrabri	u	74	42	0
Armidale	b	64	34	0·06
Endem'r	g	72	41	0
Gunned'h	c	74	46	0
Chamble	–	—	—	—
Lismore	–	—	—	—
Walcha	c	70	44	0
Tamw'rth	c	74	48	0
Coonab'n	g	76	49	0
F.M'cqrie	b	74	53	0·04
W'llgannia	b	–	–	0
Mer'l'ndi	b	74	47	0
Taree	b	78	54	0
Cassilis	–	74	49	0
Mes'lbr'k	g	74	47	0
Dubbo	c	76	46	0
Mel'ndie	–	74	50	0
Singleton	b	70	57	0·10
N'tle's R	c	79	53	0·35
Mudg	u	78	39	0
Maitland	c	71	52	0·25
[illegible]	c	—	—	0
[illegible]	b	68	53	0·05
[illegible]	u	68	44	0
[illegible]	g	70	46	0
[illegible]	g	68	36	0
[illegible]	b	70	52	0·06
Carcoar	g	70	46	0
Coud'r'in	p			0
Marse[illegible]	u			0
[illegible]	g			0·2
[illegible]	c			0·1
[illegible]	b			0
Yass	g	68	44	0
Wolg'ng	u	74	0·97	
Taralga	g	66	37	0
Hay	c	75	56	0·04

Stations.	wt	M'x	Mn	R'in
Queanbey'n	g	64	50	0
Deniliquin	p	77	50	0·08
Moruya	g	68	54	0
Kiandra	n	61	28	0·09
Albury	u	76	50	0
Bodalla	g	68	45	0·02
Cooma	g	72	43	0·10
Eden	–	—	—	—

77

TIME BALL

Drops at 1 p.m. S. M. T.

= 9h. 55m. 9·1s. E. of

Greenwich Mn. Time.

MAG. VAR. 9° 35′ 37″ E.

75

Rain, wind S. storm, wind W

If it is CALM, the symbol is used without the arrow.

CLOUDY GENERALLY

Barometer has fallen about [illegible] on E. coast.

H. C. RUSSELL

GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. OCT'R 9 1884

Sydney Observatory.

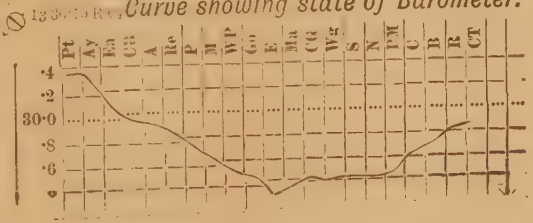
Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

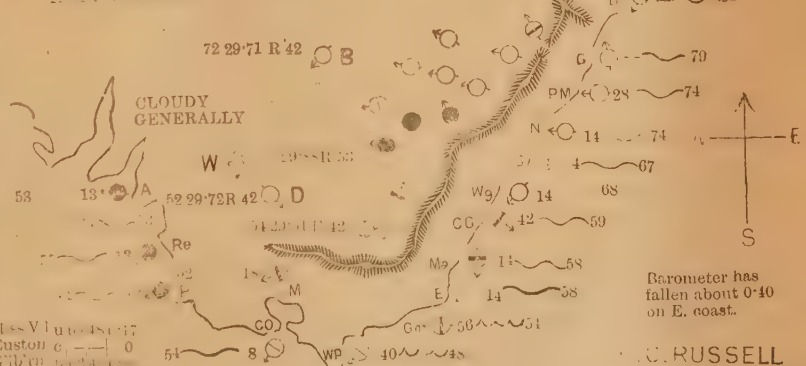
Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to September 30 41·863
Total Rainfall from Jan. 1st to October 9 ..38·887.
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	wt	M'x	MD	R in
Casino ...	c	80	60	0
T'nt'rfield	b	80	56	0·10
Clarence .	b	84	61	0
Moree....	b	83	59	0·05
Grafton..	b	79	51	0
Gl'n Inn's	b	74	52	0
Inverell..	b	70	58	0·04
Bourke ...	b	95	71	0
Narrabri.	b	80	40	0
Armidale	b	62	54	0·20
B'ndem'r.	c	65	56	0
Gunned'h	b	80	60	0
C'namble	b	—	—	0
Lismore..	-	—	—	—
Walcha ..	b	69	40	0·03
Tamw'rth	c	75	58	0
Coonab'n	c	81	56	0
P.M'cqrie	b	74	60	0
W'leannia	b	—	—	0
M'rr'r'ndi	c	71	51	0
Taree....	b	74	57	0
Cassilis ..	b	70	56	0
M'ss'lbr'k	b	74	61	0
Dubbo. ..	c	80	54	0·04
Menindie.	c	83	54	0
Singleton	b	70	57	0
N'ls'n's B	c	81	61	0·01
8 61 Mudg	c	75	50	0·02
Maitland.	b	72	58	0·02
Hill End.	c	—	—	0·[illegible]
N'weastle	b	77	61	0
Orange ..	p	62	49	0·21
Bathurst	u	67	52	0·16
[illegible]	p	65	35	0·[illegible]
M.V'ct'ria	g	59	50	0·10
Carcoar..	u	62	54	0·17
[illegible]	g	[illegible]	[illegible]	[illegible]
[illegible]	u	[illegible]	[illegible]	[illegible]
[illegible]	c	[illegible]	[illegible]	[illegible]
[illegible]	g	[illegible]	[illegible]	[illegible]
[illegible]	c	[illegible]	[illegible]	[illegible]
Young. ..	p	71	46	0·18
[illegible]	c	68	50	[illegible]
Paralga..	c	61	43	0·12
Hay	c	84	48	0·02

Stations.	wt	M'x	MD	R'in
Qeaunbey'n	g	60	50	0·38
Deniliquin.	b	84	43	0·11
Moruya....	g	67	52	0·17
Kiandra...	r	57	38	0·42
Albury	u	70	50	0·21
Bodalla....	-	—	—	—
Cooma	r	59	40	0·45
Eden.....	c	66	57	0·22

Curve showing state of Barometer.





Miss V l u [illegible] 0·17
Euston c — — 0
G'ib'rn [illegible]
Wagga. g [illegible] 0·15
C. Geo. g 62 54 0·57

[illegible] C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. OCT'R 10 1884

Sydney Observatory

Lat. 33° 51′ 41″ S., *Long* 10h 4m 56·81s. E

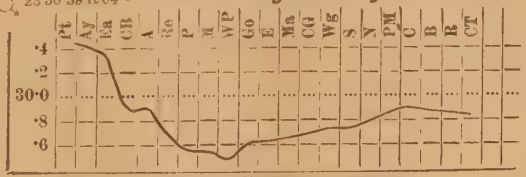
Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to September 30 41·863
Total Rainfall from Jan. 1st to October 10 ..39·114.
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	wt	M'x	Mn	R in
Casino ...	b	83	59	0
T'nt'rfield	b	72	41	0
Clarence .	b	88	59	0
Moree....	b	78	44	0
Grafton ..	b	89	57	0
Gl'n Inn's	b	69	41	0
Inverell..	b	71	43	0
Bourke ..	b	[illegible]	52	0
Narrabri.	b	80	41	0
Armidale	b	63	53	0
B'ndem'r.	b	60	40	0·07
Gunned'h	–	—	—	—
C'hamble	b	—	—	0
Lismore..	–	—	—	—
Walcha ..	b	65	40	0·02
Tamw'rth	b	71	41	0
Coonab'n	b	71	35	0
P.M'cqrie	b	82	51	0
W'lcannia	b	—	—	0
M'rr'r'ndi	b	68	47	0
Taree....	b	61	32	0
Cassilis ..	b	69	45	—
M'ss'lbr'k	b	80	56	0·07
Dubbo. ..	b	70	35	0
Menindie.	c	67	51	0
Singleton	b	76	55	0
N'ls'n's B	c	72	52	0
23 58 Mudg	b	68	34	0·03
Maitland.	b	77	50	0
Hill End.	b	—	—	0·73
N'weastle	b	79	49	0·18
Orange ..	c	58	39	0·11
Bathurst	u	58	34	0
Forbes. ..	b	68	39	0
M.V'ct'ria	b	54	42	0
Carcoar..	g	57	45	0·32
Cond'b'l'n	b	69	41	0
Marsdens	b	66	48	0
Picton. ..	b	67	48	0
Sydney ..	b	73	51	0 23
Wentw'th	r	68	47	0
Young. ..	c	65	37	0
Woll'g'ng	b	74	45	0·02
Taralga..	–	—	—	—
Hay	b	66	45	0

Stations.	wt	M'x	Mn	R'in
Qeaunbey'n	b	58	44	0·05
Deniliquin.	g	69	42	0
[illegible]ruya....	b	63	41	0·10
Kiandra...	u	41	31	0·46
Albury	u	62	44	0
Bodalla....	b	66	31	0·04
Cooma	c	56	35	0·25
Eden.....	–	—	—	—

Stations.	wt	M'x	Mn	R'in
M ss V'l	c	59	38	0
Euston	r	—	—	-
G'lb'rn	b	57	39	0
Wagga.	b	66	48	0
C. Geo.	b	64	46	0·02

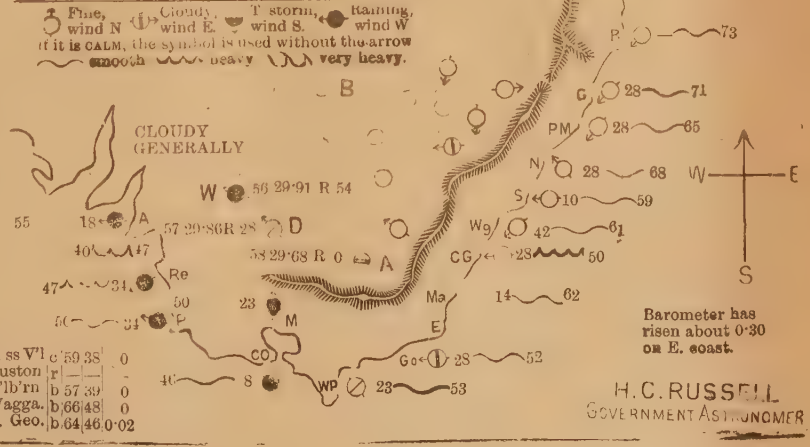
23 30·39 R 64 *Curve showing state of Barometer.*



Fine, wind N — Cloudy, wind E. — T storm, wind S. — Raining, wind W

If it is CALM, the symbol is used without the arrow

smooth — heavy — very heavy.



Barometer has risen about 0·30 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. OCT'R 11 1924

Sydney Observatory.

Lat. 33° 51′ 41″ S., *Long.* 10h. 4m. 50·61s. E.

Average Annual Rainfall for 25 years .....50·491

Average for 26 years from Jan. 1st to September 30 41·863

Total Rainfall from Jan. 1st to October 11 ..39·192.

Barometers corrected to 32° Fah. and Mean Sea Level

Stations.	wt	M'x	Mn	R	in
Casino...	-	—	—	—	
Tat'rfield	b	68	44	0	
Clarence.	c	85	58	0	
Moree....	b	76	52	0	
Grafton..	b	87	55	0	
Gl'n Inn's	-	—	—	—	
Inverell..	b	67	33	0	
Bourke..	b	79	54	0	
Narrabri.	g	74	47	0	
Armidale	c	60	50	0	07
B'ndem'r.	c	60	41	0	
Gunned'h	c	73	47	0	
C'roumble	-	—	—	—	
Lismore..	-			—	
Walch'a..	c	62	52	0	12
Tamw'rth	c	6	44	0	
Coonab'n	g	68	50	0	63
P.M'cqrie	-	76	51	0	02
W'leannia	-	—	—	—	
M'rr'mdi	u	66	44	0	20
Taree....	b	7	50	0	02
Cassilis..	u	67	44	—	
M'ss'mb'k	b	7	50	0	
Dubbo....	q	73	42	0	23
Menindie.	u	67	52	0	
Singleton	c	72	51	0	
N'ls'n's R	c	79	51	0	
8 62					
Maug'	p	68	33	0	27
Maitland.	g	72	48	0	04
Hill End..	-	—	—	—	
N'wcastle.	b	71	49	0	
Orange...	r	58	34	0	
Bathurst	r	59	36	0	50
Forbes....	g	61	37	0	11
M.V'ct'ria	g	57	43	0	
Carcoar..	s	52	40	0	60
Cond'b'l'n	c	60	39	0	17
Marsdens	u	65	45	0	
Picton...	q	68	46	0	02
Sydney...	b	69	49	0	08
Wentw'th	g	68	46	0	
Young...	p	—	38	0	62
Wolf'g'ng	b	69	41	0	
Taralga...	p	61	32	0	40
Hay.....	b	65	41	0	11

Stations.	Wt	M'x	Mn	R'in
Qeaunbey'n	b	58	38	0·12
Deniliquin.	b	63	36	0
Moruya....	b	73	44	0
Kiandra...	s	48	25	0
Albury	c	57	43	0·38
Bodalla....	b	58	49	0
Cooma	p	60	33	0·07
Eden.....	c	63	45	0

Curve showing state of Barometer.

Pt Ap Ea CB A Re P E Bri Co Ma CG Wg S N PW C B R CT

30·4 ·2 30·0 ·8 ·6

Fine, Cool storm, Rain, Wind N Wind E Wind S wind W

If it is CALM the [illegible] is used without the arrow

smooth heavy very heavy.

TIME BALL

Drops at 1 p.m. S MT

or 2h.55m.9·1s.a.m.

Greenwich Mn. Time

1924. VAR. 9 35′87° E

54 30·08 R 42 B

CLOUDY

W 42 30·16 R 55

53 30·12 R 14 D

48 29·90 R14

Ma 43 58

E 42 54

Co 40 50

WP 23 52

Barometer has risen about 0·10 on S. coast.

H. C. RUSSELL

GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. OCT'R 13 1884

Sydney Observatory.

Lat. 33° 51′ 41″ S., *Long.* 10*h.* 4*m.* 50·81*s.* E.

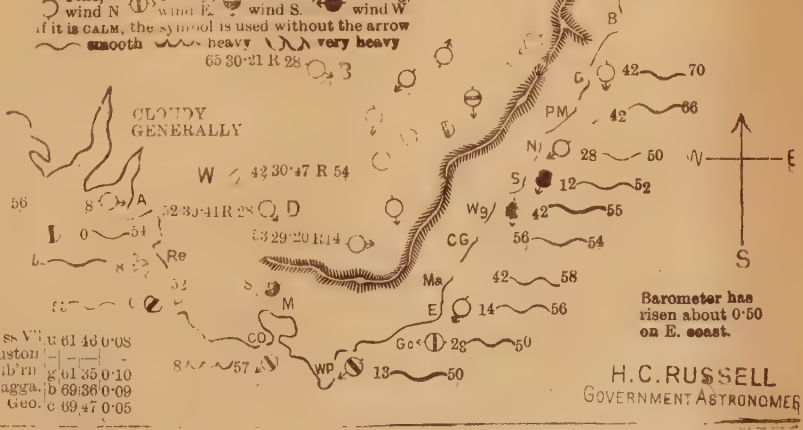
Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to September 30 41·863
Total Rainfall from Jan. 1st to October 13 ..39·280.
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	w't	M'x	M'n	R'in
Casino...	b	81	43	0
T'nt'rfield	b	71	34	0
Clarence.	c	82	55	0
Myree....	b	90	47	0
Grafton..	b	87	46	0
Gl'n Inn's	b	76	35	0
Inverell..	b	62	32	0
Bourke ..	b	81	58	0
Narrabri.	b	76	39	0
Armidale	b	60	48	0
E'ndem'r.	b	61	44	0
Gunned'h	b	75	50	0
C'namble	—	—	—	—
Lismore..	b	85	52	0
Walcha ..	b	62	35	0
Tamw'rth	b	71	43	0
Coonab'n	b	74	37	0
P.M'cqrie	b	74	52	0
W'lcannia	b	—|	—|	0
M'rr'r'ndi	b	65	42	0
Taree....	b	79	53	0
Cassilis ..	b	68	45	0
M'ss'lbr'k	b	76	45	0
Dubbo. ..	b	79	41	0
Menindie.	b	74	55	0
Singleton	b	75	55	0
N'ls'n's B	g	73	55	0
28 74				
Mudg	b	71	53	0
Maitland.	p	75	50	0
Hill End.	b	—	—	0
N'wcastle	c	76	57	0
Orange ..	g	75	37	0
Bathurst	g	61	37	0
Forbes. ..	b	74	36	0
M.V'ct'ria	u	56	46	0
Carcoar..	g	57	41	0·06
Cond'b'l'n	b	63	41	0
Marsdens	b	69	46	0
Picton...	u	70	48	0
Sydney ..	r	72	52	0·09
Wentw'th	c	71	45	0
Young...	c	70	31	0·05
Woll'g'ng	p	76	45	0·45
Taralga..	b	59	31	0
Hay.....	b	71	41	0

Stations.	w't	M'x	M'n	R'in
Queanbey'n	b	61	40	0
Deniliquin.	b	67	38	0·03
Moruya....	b	76	49	0
Kiandra...	b	52	20	2·54
Albury	b	63	38	0·11
Bodalla....	b	75	37	0
Cooma	g	64	34	0
Eden.....	c	74	55	0

Curve showing state of Barometer.

Fine, wind N. Cloudy, wind E. T storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow
smooth heavy very heavy



H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A M OCT'R 14 1884

Sydney Observatory.

Lat 33° 51' 41" S. *Long* 10h 4m. 50·81s. E.

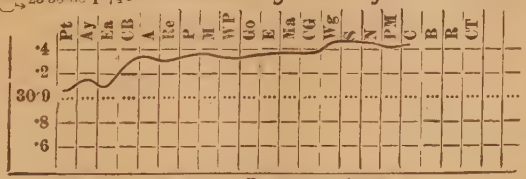
Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to September 30 41·863
Total Rainfall from Jan. 1st to October 14 ..39·282.
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	wt	M'x	MN	R in
Casino ...	g	85	46	0·08
T'nt'rfield	u	78	49	0
Clarence ..	o	81	55	0·88
Moree....	b	85	53	0
Grafton..	c	84	59	0·02
Gl'n Inn's	u	79	39	0
Inverell..	b	62	47	0
Bourke ..	b	81	55	0
Narrabri.	b	80	43	0
Armidale	b	62	52	0
B'ndem'r.	b	60	46	0
Gunned'h	b	75	53	0
C'namble	–	—	—	—
Lismore..	c	79	61	0·16
Walcha ..	u	59	45	0
Tamw'rth	b	71	48	0
Coonab'n	b	73	40	0
P.M'cqrie	c	67	52	0
W'lcannia	b	—	—	0
M'rr'r'ndi	b	67	47	0
Tarce....	b	80	50	0
Cassilis ..	b	57	48	0
M'ss'lbr'k	b	77	47	0
Dubbo. ..	–	—	—	—
Menindie.	b	70	50	0
Singleton	b	70	51	0
N'ls'n's B	c	75	52	0
34 83 Mudg	b	77	40	0
Maitland.	b	65	48	0
Hill End.	b	—	—	0
N'wcastle	b	68	59	0
Orange ..	b	60	39	0
Bathurst	b	67	38	0
Forbes. ...	b	75	32	0
M.V'ct'ria	c	58	48	0
Carcoar..	b	58	50	0
Cond'b'l'n	b	72	42	0
Marsdens	b	71	47	0
Picton. ..	c	61	50	0
Sydney ..	g	60	52	0
Wentw'th	b	71	49	0
Young. ..	b	77	40	0
Woll'g'ng	c	70	46	0
Taralga..	b	58	39	0
Hay	b	67	45	0
M ss V'l	b	61	41	0
Euston	b	—	—	0
G'lb'rn	b	62	39	0
Wagga.	b	65	35	0
C. Geo.	c	59	51	0

Stations.	wt	M'x	MN	R'in
Qeaunbey'n	b	61	40	0
Deniliquin.	b	70	48	0
Moruya....	b	65	48	0
Kiandra...	b	59	23	0
Albury	b	62	34	0
Bodalla....	b	69	41	0
Cooma	n	6[illegible]	31	0
Eden.....	c	63	53	0

23 30·50 F 74

Curve showing state of Barometer.

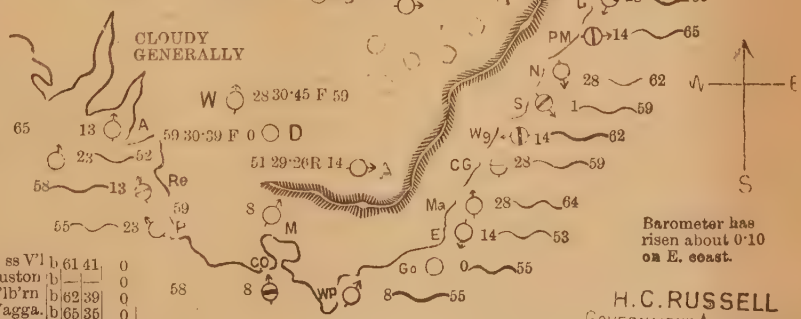


Fine, wind N Cloudy, wind E. T storm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow

smooth. heavy very heavy.

60 30·25 R 14



TIME BALL
Drops at 1 p.m. S M T
r 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35'37" E.

Barometer has risen about 0·10 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. OCT'R 15 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to September 30 41·863
Total Rainfall from Jan. 1st to October 15 ..39·282.

Barometers corrected to 32° Fah and Mean Sea Level

Curve showing state of Barometer.

Stations.	wt	w'x	Mn	R	in
Casino ...	b	70	45	0·26	
T'nt'rfield	b	72	43	0	
Clarence..	c	80	55	0	
Moree....	b	84	57	0	
Grafton...	b	100	53	0	
Glen Innes	b	81	48	0	
Inverell..	b	72	46	0	
Bourke ..	b	83	61	0	
Narrabri..	b	79	42	0	
Armidale	b	64	56	0	
Bathurst	b	58	46	0	
Gunned'h	—	—	—	—	
Cowra	b	—	—	0	
Lismore..	—	—	—	—	
Walcha ..	b	64	48	0	
Tamw'rth	b	77	45	0	
Cessnab'n	b	77	39	0	
P.M'Quarie	b	99	49	0	
Wilcannia	b	—	—	0	
Wentworth	b	99	46	0	
Tarcoola	b	90	50	0	
Cassilis ..	b	68	43	0	
Miss'brook	b	70	43	0	
Dubbo....	b	83	47	0	
Menindie.	b	74	51	0	
Singleton	b	74	51	0	
N'ls'n's B	c	78	50	0	
Mudgee	b	80	37	0	
Maitland.	b	71	48	0	
Hill End.	b	—	—	0	
N'weastle	b	67	41	0	
Orange ..	b	5	50	0	
Bathurst	b	1	58	0	
Forbes...	b		53	0	
M. Vict'ria	b		52	0	
Carcoar..	b	6	53	0	
Coal'b'l'n	b	76	48	0	
Marsdens	b	77	57	0	
Paton....	b	70	34	0	
Sydney ..	c	66	51	0	
Wentw'th	b	83	45	0	
Young....	b	80	43	0	
Woll'g'ng	b	69	44	0	
Taralga..	b	73	31	0	
Hay.....	b	77	51	0	
Mossvale	c	68	46	0	
Euston	b	—	—	0	
G'lb'rn	b	71	40	0	
Wagga.	b	80	36	0	
C. Geo.	c	66	51	0	

Stations.	wt	w'x	Mn	R	in
Queanbey'n	b	64	43	0	
Deniliquin.	b	80	45	0	
Moruya....	c	68	47	0	
Kiandra...	b	64	27	0	
Albury....	b	74	43	0	
Bodalla....	b	71	38	0	
Cooma	c	77	35	0	
Eden.....	b	65	48	0	

Fine, Thunderstorm, Raining,
wind N wind S wind W
Calm is calm, Light breeze without the arrow
smooth heavy very heavy.

FINE GENERALLY.
CALM INLAND

TIME BALL
Drops at 1 p.m. S MT
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
Mag. Var. 9°3 E.

Barometer has fallen about 0·20 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. OCT'R 16 1886

Sydney Observatory.

Lat. 33° 51′ 41″ S ; *Long* 10*h.* 4*m.* 50·81*s.* E

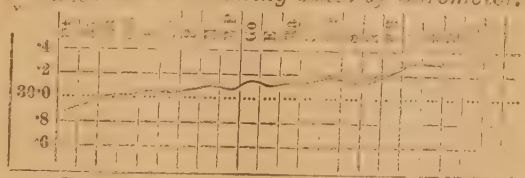
Average Annual Rainfall for 25 years ..... 50·491
Average for 26 years from Jan. 1st to September 30 41·863
Total Rainfall from Jan. 1st to October 16 .. 39·282.
Barometers corrected to 32° Fah and Mean Sea Level.

Stations.	wt	M'x	Mn	R in
Casino ...	b	84	47	0
T'nt'rfield	b	80	42	0
Clarence.	b	85	58	0
Moro ...	b	85	54	0
Grafton ...	b	87	56	0
Gl'n'fr's	b	79	43	0
In[illegible] ..	b	74	48	0
Bo[illegible] ..	b	91	65	0
Narrabri.	c	84	43	0
Armidale,	b	67	57	0
B'ndem'r.	b	69	45	0
Gunned'h	b	[illegible]	[illegible]	0
C'namble	–	—	—	–
L[illegible]	[illegible]	[illegible]	[illegible]	0
W[illegible]	[illegible]	[illegible]	41	0
[illegible]	b	[illegible]	[illegible]	0
[illegible]	b	[illegible]	43	0
P[illegible]	[illegible]	[illegible]	[illegible]	0
[illegible]	b	—	—	0
[illegible]	b	74	53	0
[illegible]	b	[illegible]	46	0
[illegible] ..	b	74	55	0
M'ss'br'k	b	86	[illegible]	0
Dubbo. ..	b	90	47	0
Menindie.	g	85	51	0
Singleton	b	81	55	0
N'is'n's B	b	83	51	0
0 64 Mudg	b	86	39	0
Maitland.	b	79	53	0
Hill End.	b	—	—	0
N'weastle	b	79	58	0
Orange ..	b	70	43	0
Bathurst	[illegible]	77	42	0
Forbes. ..	b	79	41	0
M.V'c'ria	[illegible]	74	63	0
Carcoar ..	b	65	55	0
Cond'b'l'n		—	—	—
Marsdens	b	84	58	0
Picton. ..	b	85	42	0
Sydney ..	b	80	55	0
Wentw'th	c	91	54	0
Young. ..	b	91	43	0
Woll'g'ng	b	84	42	0
Taralga ..	b	74	37	0
Hay	c	88	57	0

Stations.	wt	M'x	Mn	R'in
Qeaunbey'n	b	73	46	0
Deniliquin.	g	90	50	0
Moruya....	c	74	49	0
Kiandra....	b	68	29	0
Albury	c	80	44	0
Bodalla....	b	79	39	0
Cooma	g	81	38	0
[illegible]	c	70	49	0

69

[illegible] showing state of Barometer.

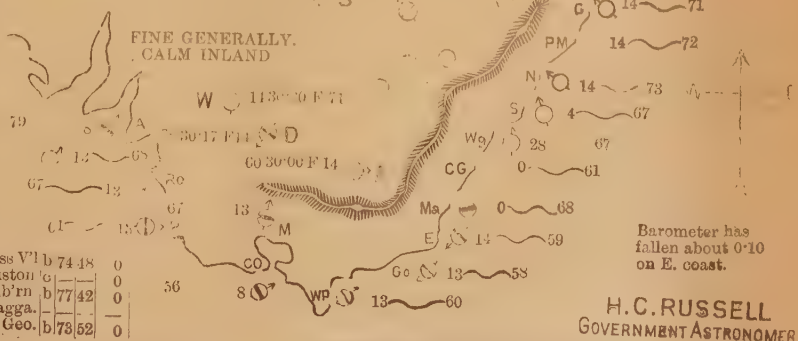


Fine, wind N — Cloudy, wind E — T storm, wind S — Raining, wind W

If it is CALM, the symbol is used without the arrow

smooth. heavy very heavy.

83 30·12 F 0



TIME BALL
Drops at 1 p.m. S M T
r 2h.55m.9·19s.a.m.
Greenwich Mn. Tim
MAG. VAR. 9°35′37″ E

Barometer has fallen about 0·10 on E. coast.

M ss V'l	b	74	48	0
Euston	c	—	—	0
G'lb'rn	b	77	42	0
Wagga.	–	—	—	—
C. Geo.	b	73	52	0

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. OCT'R 17 1884

Sydney Observatory.

Lat 33° 51′ 41″ *S.*; *Long.* 10*h* 4*m* 50·81*s* *E.*

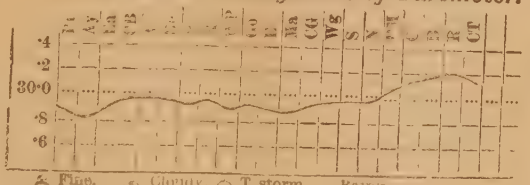
Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to September 30 41·863
Total Rainfall from Jan. 1st to October 17 ..39·284.
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	Wt	M'x	MD	R in
Casino...	b	89	56	0
T'nt'rfield	b	85	46	0
Clarence.	b	84	58	0·01
Moree....	b	90	55	0
Gratton..	b	92	54	0
G'n Inn's	b	87	52	0
Inverell..	b	75	48	0
Bourke..	b	96	73	0
Narrabri.	c	86	45	0
Armidale	b	69	58	0
B'ndem'r.	b	71	46	0
Gunned'h	b	[illegible]	55	0
Chamble	b	—	—	—
Lismore..	b	86	54	0
Walcha..	b	76	43	0
Tam'w'rth	—	—	—	—
Coonab'n	b	[illegible]	45	0
P.M'corie	[illegible]	[illegible]	[illegible]	0
W'lcannia	[illegible]	—	—	—
M'rr'r'd'l	b	7[illegible]	[illegible]	0
Taree....	b	85	57	0
Cassilis..	b	79	54	0
M'ss'br'k	b	97	51	0
Dubbo...	b	94	48	0
Menindie.	b	92	63	0
Singleton	b	85	59	0
N'ls'n's B	b	90	59	0
0 76 Mudg	b	89	42	0
Maitland.	b	88	56	0
Hill End.	b	—	—	0
N'wcastle	b	85	60	0
Orange..	b	73	49	0
Bathurst	b	87	46	0
Forbes...	b	79	29	0
M.V'ct'ria	b	76	66	0
Carcoar..	—	—	—	—
Cond'b'l'n	b	67	58	0
Marsdens	b	87	61	0
Picton...	b	84	47	0
Sydney..	b	79	55	0
Wentw'th	c	99	53	0
Young...	b	88	51	0
Woll'g'ng	b	81	52	0
Taralga..	b	81	41	0
Hay.....	b	92	55	0

Stations.	Wt	M'x	MD	R'in
Qeaunbey'n	b	79	49	0
Deniliquin.	g	94	59	0
Moruya....	b	82	59	0
Kiandra...	b	68	30	0
Albury....	g	81	49	0
Bodalla....	b	83	43	0
Cooma....	b	84	38	0
Eden.....	c	72	68	0

M ss V'l	b	80	56	0
Euston	c	—	—	0
G'lb'rn	b	81	46	0
Wagga.	b	90	47	0
C. Geo.	b	78	58	0

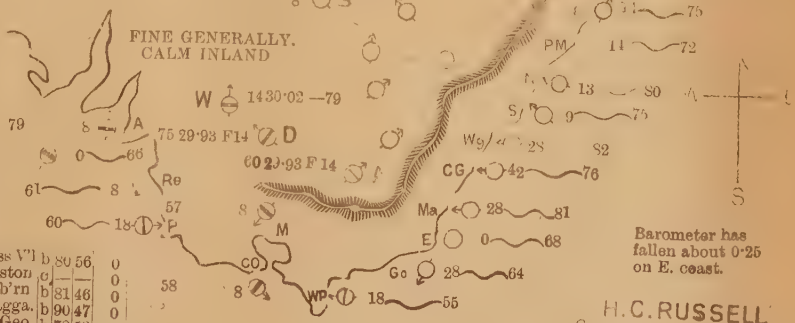
Curve showing state of Barometer.



Fine, wind N — Cloudy, wind E — T storm, wind S. — Raining, wind W

If it is CALM, the symbol is used without the arrow

smooth. heavy very heavy.



Barometer has fallen about 0·25 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

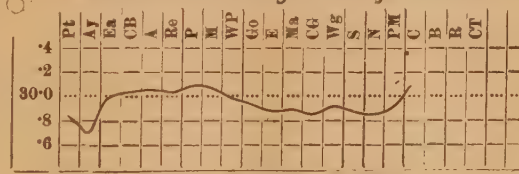
9 A.M. OCT'R 18 1884

Sydney Observatory.

Lat. 33° 51′ 41″ S., *Long.* 10*h.* 4*m.* 50·81*s.* E.

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan 1st to September 30 41·863
Total Rainfall from Jan. 1st to October 18 ..39·284.
Barometers corrected to 32° Fah and Mean Sea Level

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow
smooth. heavy very heavy.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

Stations.	wt	M'x	Mn	R'in
Casino...	–	—	—	—
T'nt'rfield	b	84	45	0
Clarence.	c	88	61	0
Moree....	b	94	60	0
Grafton..	b	98	54	0
Gl'n Inn's	b	83	50	0
Inverell..	b	73	51	0
Bourke ..	b	101	71	0
Narrabri.	b	92	52	0
Armidale	–	—	—	—
B'ndem'r.	b	76	47	0
Gunned'h	b	92	64	0
C'namble	b	—	—	—
Lismore..	b	94	55	0
Walcha ..	b	72	39	0
Tamw'rth	b	86	43	0
Coonab'n	b	90	45	0
P.M'cqrie	c	82	58	0
W'lcannia	b	—	—	0
M'rr'r'ndi	b	82	65	0
Taree....	b	94	57	0
Cassilis ..	b	84	62	0
M'as'lbr'k	b	96	52	0
Dubbo....	c	96	51	0
Menindie.	g	100	71	0
Singleton	b	89	67	0
N'ls'n's B	c	90	65	0
8 61				
Mudg	b	91	63	0
Maitland.	b	90	65	0
Hill End.	b	—	—	0
N'wcastle	c	92	66	0
Orange ..	b	78	50	0
Bathurst	b	84	48	0
Forbes...	b	83	43	0
M.V'ct'ria	b	79	67	0
Carcoar..	b	75	56	0
Cond'b'l'n	b	92	61	0
Marsdens	b	92	66	0
Picton...	b	91	58	0
Sydney ..	b	90	62	0
Wentw'th	g	102	66	0
Young....	g	95	56	0
Woll'g'ng	c	93	53	0
Taralga..	b	83	35	0
Hay.....	g	98	67	0
Mss V'l	c	82	61	0
Euston	g	—	—	0
G'lb'rn	b	85	59	0
Wagga.	c	94	47	0
C. Geo.	c	94	56	0

Stations.	wt	M'x	Mn	R'in
Queanbey'n	b	81	55	0
Deniliquin.	b	98	63	0
Moruya....	u	92	44	0
Kiandra...	b	70	33	0
Albury	c	86	56	9
Bodalla....	g	93	48	0
Cooma	c	83	57	0
Eden.....	c	76	59	0·03

METEOROLOGY.

9 A.M. OCT'R 20 1884

Sydney Observatory

Lat. 33° 51 41″ S., *Long* 10*h.* 4*m.* 50·81*s.* E.

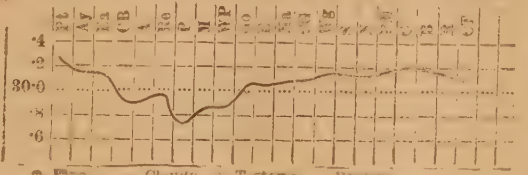
Average Annual Rainfall for 25 years .....50·491

Average for 26 years from Jan. [illegible] 50·441·863

Total Rainfall from Jan. 1st [illegible] 30·326

Barometers corrected [illegible]

030·06 F 89 *Curve showing state of Barometer.*

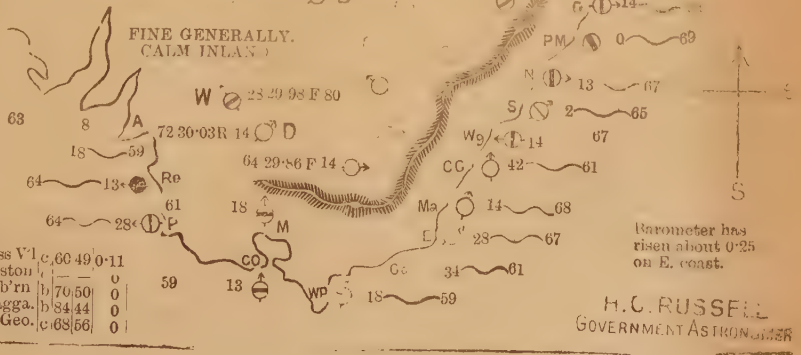


Fine. Cloudy. T storms. Rain.
wind N wind E wind S wind
If it is CALM, the symbol is used without the
Smooth heavy very

Stations.	wt	M'x	Mn	R'in
Casino ...	u	87	65	0·12
Tent'field	u	85	55	0
Clarence .	u	79	34	0·08
Moree. ..	u	101	65	0
Grafton.	u	82	51	0
Gl'gowans	u	88	57	0
Inverell...	u	84	59	0
Bourke ...	b	103	75	0
Narrand...	b	99	54	0
Armidale	b	79	54	0
Bridam'r.	b	75	56	0
Gunnedah	b	90	60	0
Quambie	b	—	—	—
Lismore...	c	87	66	0·07
Walcha...	u	79	53	0
Tenterfld	b	87	60	—
Casino...	b	87	55	0
P.M'cquar	b	76	49	0·49
Wellington	b	—	—	—
New'tn'dl	b	85	55	0
Taree...	g	—	59	0·05
Crowdle ..	g	89	—	—
Nel'castle	b	74	44	0·06
Dubbo ..	b	91	56	0·01
Merrindie.	u	93	71	0
Singleton	u	69	59	0
N'ls'n'sR	c	78	60	0·03
13 65				
Sludg	b	92	50	0
Maitland.	b	92	60	0
Hill End..	b	—	—	0
N'weastle.	c	69	55	0
Orange ..	b	73	48	0
Bathurst	b	82	44	0
Forbes. ..	b	90	51	0
M. V'ct'ria	u	63	50	0·10
Carcoar..	b	75	56	0
Cond'b'l'n	b	86	56	0
Marsdens	b	86	63	0
Picton. ...	c	72	42	0·13
Sydney ..	b	65	58	0·08
Wentw'th	g	98	69	0
Young...	b	—	53	0
Woll'g'ng	c	69	48	0
Taralga..	b	79	39	0
Hay	b	83	51	0

Stations.	wt	M'x	Mn	R'in
Queanbey'n	b	83	52	0
Deniliquin.	b	89	44	0
Moruya....	b	71	54	0·03
Kiandra...	b	68	30	0
Albury	c	83	48	0
Bellalla....	b	76	49	0
Cooma	c	77	38	0
Eden.....	b	67	55	0

M'ss V'l	c	66	49	0·11
Euston		—	—	0
G'lb'rn	b	70	50	0
Wagga.	b	84	44	0
C. Geo.	c	68	56	0



H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

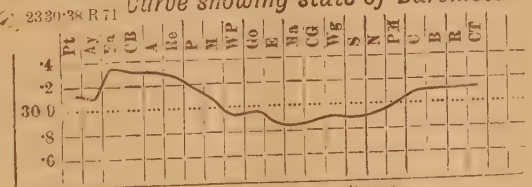
9 A.M. OCT'R 21

Sydney Observatory

Lat. 33° 51′ 41″ S. ; *Long.* 10h 4m 50·81s E.

Average Annual Rainfall for 25 years ..... 50·491
Average for 26 years from Jan. 1st to September 30 41·863
Total Rainfall from Jan. 1st to October 21 ..39·359.
Barometers corrected to 32° Fah and Mean Sea Level

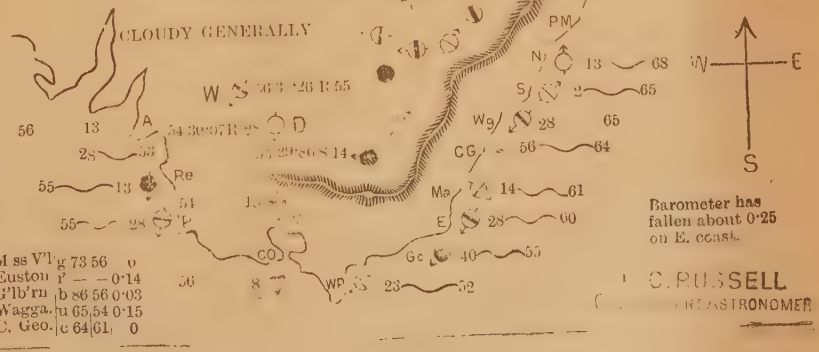
Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. heavy. very heavy.

Stations.	wt	M'x	Mn	R	in
Casino ...	n	73	65	0	
T'nt'rfield'	u	79	59	0	
Clarence.	b	78	67	0	01
Moree....	g	91	68	0	
Grafton..	u	73	51	0	
Gl'n inn's	g	86	55	0	
Inverell..	o	81	60	0	
Bourke ..	g	103	77	0	03
Narrabri.	u	96	57	0	10
Armidale	g	74	64	0	
B'idem'r.	u	74	55	0	
Gunned'h'	c	93	68	0	02
C'namble	b	—	—	0	10
Lismore..	c	75	68	0	
Walcha...	–	—	—	—	
Tamw'rth	c	88	61	0	
Coonab'n.	g	92	60	0	01
P.M'qurie	–	—	—	—	
W'licannia	c	—	—	0	
M'r'r'ndi	g	73	59	0	
Taree....	c	73	56	0	
Cassilis ..	g	77	61	—	
M'ss'lbr'k	g	83	56	0	
Dubbo. ..	g	94	65	0	03
Menindie.	c	99	62	0	
Singleton	b	78	57	0	
N'ls'n's R	c	81	62	0	
13 63					
Mudg	g	89	55	0	02
Maitland.	c	78	59	0	
Hill End .	u	—	—	0	15
N'wcastle	c	73	61	0	
Orange ..	c	75	58	0	10
Bathurst	g	82	57	0	
Forbes...	u	88	49	0	
M.V'ct'ria	g	73	60	0	
Carcoar..	g	72	63	0	
Cond'b'l'n	c	89	54	0	16
Marsdens	c	91	67	0	05
Picton...	u	75	53	0	
Sydney ..	g	68	60	0	
Wentw'th	g	99	52	0	
Young...	p	—	51	0	04
Woll'g'ng	g	71	52	0	
Taralga..	g	82	42	0	
Hay.....	c	99	51	0	16

Stations.	wt	M'x	Mn	R	in
Qeaunbey'n	b	76	59	0	13
Deniliquin.	c	97	48	0	17
Moruya....	u	69	57	0	01
Kiandra...	t	54	25	0	20
Albury	r	89	56	0	50
Bodalla	r	73	49	0	06
Cooma	c	85	51	0	03
Eden.....	c	68	60	0	13



Barometer has fallen about 0·25 on E. coast.

C. RUSSELL
GOVT. ASTRONOMER

METEOROLOGY.

OCT'R 22 1884

Stations.	wt	M'x	Mn	R'in
Casino ...	t	87	63	0·26
T'nt'rfield	c	87	54	0·38
Clarence.	c	83	66	0·66
Moree....	c	92	50	0·06
Grafton..	g	87	57	0·10
Gl'n Inn's	b	85	49	0·17
Inverell..	-	—	—	-
Bourke ..	b	86	58	0
Narrabri..	b	97	53	0
Armidale	b	75	62	0
B'ndem'r.	b	64	45	0·23
Gunned'h	-	—	—	—
C'namble	b	—	—	0
Lismore..	b	86	65	0·53
Walcha ..	t	79	42	0·20
Tamw'rth	b	90	48	[illegible]
Coonab'n	b	87	40	0
P.M'cqrie	-	—	—	—
W'lcannia	b	—	—	[illegible]
M'rr'r'ndi	c	[illegible]	[illegible]	[illegible]
Taree....	b	[illegible]	[illegible]	[illegible]
Cassilis ..	c	65	54	—
Miss.br'k	c	[illegible]	[illegible]	[illegible]
Dubbo. ...	b	90	44	0·21
Menindie.	b	70	51	0
Singleton	b	90	60	0
N'ls'n's B	b	79	67	0·47
Mudg	u	87	41	0·25
Maitland.	c	82	56	0·52
Hill End.	u	—		0·54
N'wcastle	c	80	55	1·40
Orange ..	c	74	42	0·21
Bathurst	u	81	43	0·44
Forbes...	g	72	48	0·69
M.V'ct'ria	u	52	40	0·70
Carcoar...	g	72	36	0·40
Cond'b'l'n	b	69	43	0
Marsdens	u	66	49	0·14
Picton...	c	79	49	0·56
Sydney ..	c	75	54	0·67
Wentw'th	b	69	38	0
Young...	p	—	46	0·22
Woll'g'ng	c	73	47	0
Taralga..	r	76	38	0·55
Hay.....	b	62	41	0·17

Stations.	wt	M'x	Mn	R'in
Qeaunbey'n	u	77	46	1·05
Deniliquin.	b	82	44	0·07
Moruya....	r	66	48	0·97
Kiandra...	s	40	25	1·80
Albury	g	59	48	0·53
Bodalla....	r	65	44	1·11
Cooma	r	71	35	0·75
Eden.....	r	60	49	1·28

Average ... 50·491
Average ... September 30 41·863
Total Rain ... October 22 ... 40·029.
Barometer ... Sea Level

Curve showing state of Barometer.

Fine, wind N. wind E. wind S. wind W.
... without the arrow
... very heavy

63 30·24 R 14

CLOUDY GENERALLY

59 30·35 R 28

M ss V'l u 83 46 0·78
Euston c — — 0·16
G'lb'rn g 76 43 0·21
Wagga. c 61 43 0·49
C. Geo. g 68 57 -

TIME BALL
Drops at 1 p.m. S M T
Greenwich Mn. Time
MAG. VAR. 0°35'37" E

Barometer has risen about 0·18 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

OCT'R 23 1884

9 A.M.

Sydney Observatory.

Lat 33° 51′ 41″ S.; *Long.* 10*h.* 4*m.* 50·81*s* E.

Average Annual Rainfall for 25 years ..... 50·491
Average for 26 years from Jan. 1st to September 30 41·863
Total Rainfall from Jan. 1st to October 23 .. 40·036.
Barometers corrected to 32° Fah. and Mean Sea Level

Curve showing state of Barometer.

13 30·39 S 78

Pt | Ay | La | CB | Ba | Ba | M | WP | Go | E | Wa | CG | Wg | N | PM | C | R | CT

30·4 ·2 ·4 ·6 ·8

Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol 0 is used without the arrow
smooth. heavy. very heavy.

Stations.	wt	M'x	Mn	R'in
Casino ...	c	86	47	0
T'nt'rfield	g	74	45	0
Clarence..	c	88	64	0
Morce....	b	81	46	0
Grafton..	b	92	59	0
Gl'n Inn's	b	74	39	0
Inverell..	b	75	43	0
Bourke ..	b	81	56	0
Narrabri.	b	76	40	0
Armidale	b	66	55	0
B'ndem'r.	b	61	38	0
Gunned'h	c	77	45	0
C'namble	b	—	—	0
Lismore..	c	90	68	0
Walcha ..	c	64	37	0
Tam'w'rth	b	75	38	0
Coonab'n	c	76	33	0
P.M'cqrie	b	77	57	0
W'lcannia	b	—	—	0
M'rr'mdi	c	68	43	0
Tarce....	c	86	56	0·04
Cressbis	—	89	47	—
M'ss'n'l	—	77	48	0
Dubbo..	g	72	48	0
Menindie.	b	69	54	0
Singleton	b	74	55	0
N'l's'm's B	c	79	53	0
23 88				
Mudg	u	69	42	0
Maitland.	u	73	52	0
Hill End.	g	—	—	0
N'wcastle	c	73	53	0
Orange ..	u	54	41	0·02
Bathurst	g	52	41	0
Forbes...	g	70	47	0
M.V'ct'ria	u	44	39	0
Carcoar..	g	57	38	0·32
Cond'b'l'n	g	67	43	0
Marsdens	c	66	57	0
Picton...	c	64	48	0·08
Sydney ..	g	67	55	0·01
Wentw'th	b	73	46	0
Young....	u	—	43	0·20
Wolf'g'ng	c	86	44	0
Taralga..	c	59	28	0·20
Hay.....	c	69	47	0

Stations.	wt	M'x	Mn	R'in
Qeaunbey'n	g	52	45	0·10
Deniliquin.	b	69	45	0
Moruya....	r	54	48	0·78
Kiandra	s	39	22	0
Albury	c	58	46	0·07
Boda'a. ..	g	56	45	0·83
Co[illegible]	p	61	36	0·56
Eden.....	—	—	—	—

76

TIME BALL
Drops at 1 p.m. S MT
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

CLOUDY GENERALLY

W 28 30·41 F 51

62 A 59 30·31 F 28 D 56 30·06 F 14

18—55 56—13 54—23 53 13 M

Ro P CG Ma E Go CO WP

51 8 8—58

B 70 G 14—73 PM 0—72 N 8—58 S 16—57 W9 28 69 42—55 14—52

E S

Barometer has fallen about 0·08 on S. coast.

M'ss V'l	c	59	42	0·19
Euston	c	—	—	0
G'lb'rn	g	54	42	0·11
Wagga.	c	65	44	0·06
C. Geo.	g	66	50	0·05

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. OCT'R 24 1884

Sydney Observatory.

Lat. 33° 51' 41" S ; *Long.* [illegible] 50 Sec. E.

Average Annual Rainfall for 25 years ..... [illegible]·491

Average for [illegible] years from Jan. 1st to [illegible] 30 41·63

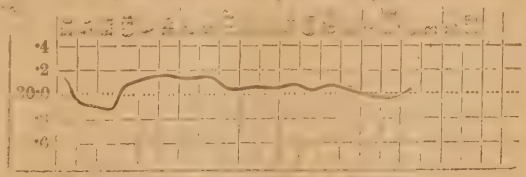
Total Rainfall [illegible] 112.

Barometer [illegible] Level

Stations.	wt	M'x	MD	R in
Casino ...	b	84	58	0
Tint'rfield	b	72	39	0
Clarence.	b	[illegible]	59	0
Moree....	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	b	[illegible]	[illegible]	0
[illegible]	b	[illegible]	[illegible]	0
[illegible]	b	[illegible]	[illegible]	[illegible]
[illegible]	b	[illegible]	[illegible]	0
Narrabri..	c	63	49	0
[illegible]	[illegible]	[illegible]	[illegible]	0
[illegible]	[illegible]	[illegible]	[illegible]	0
[illegible]	[illegible]	[illegible]	[illegible]	0
C'hamble	b	—	—	0
Lismore..	b	90	63	0
Walcha...	c	65	41	0
[illegible]	b	[illegible]	[illegible]	[illegible]
[illegible]	c	[illegible]	[illegible]	0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Taree....	b	[illegible]	[illegible]	[illegible]
Cassilis...	b	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Menindie.	b	76	59	0
Singleton	b	71	58	0
N'ls'n's B	c	78	55	0
13 99				
Mnog	b	62	33	0
Maitland.	-	—	—	—
Hill End.	u	—	—	0·12
N'weastle	c	70	59	0
Orange..	u	54	40	0
Bathurst	g	54	41	0·19
Forbes...	b	73	[illegible]	0·15
M.V'ct'ria	u	55	14	0·10
Carcoar..	g	54	41	0·06
Cond'b'l'n	b	7[illegible]	[illegible]	0
Marsdens	b	69	54	0
Picton...	o	60	52	0
Sydney..	p	66	54	0·08
Wentw'th	c	81	51	0
Young...	b	—	42	0
Wol. g'ng	p	68	46	0·12
Taralga..	g	61	32	0·30
Hay.....	b	77	44	0

Stations.	wt	M'x	MD	R'in
Qeambey'n	b	58	48	0·31
Deniliquin	b	76	42	0
Moruya	c	63	32	0·[illegible]
Kiamma	[illegible]	[illegible]	[illegible]	[illegible]
Albury...	b	[illegible]	[illegible]	[illegible]
[illegible]	b	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	c	[illegible]	[illegible]	[illegible]

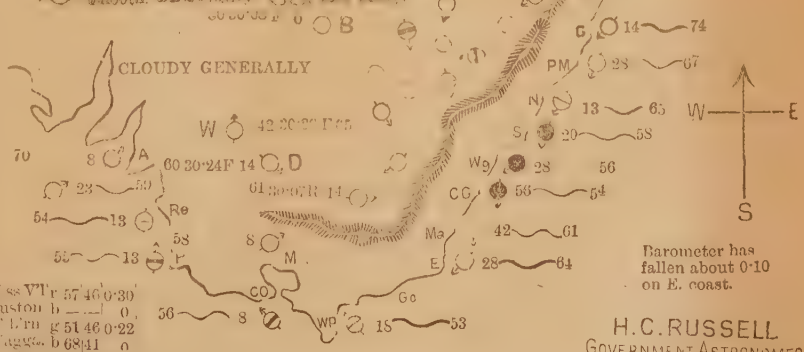
1330·24 F 66 *Curve showing state of Barometer.*



[illegible] wind N. [illegible]

[illegible] the symbol [illegible]

smooth. [illegible]



M'ss V'l'r	57	46	0·30
Euston	b	—	—	0
G'l'b'rn	g	51	46	0·22
Wagga.	b	68	41	0
C. Geo.	r	66	51	0·61

Barometer has fallen about 0·10 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. OCT'R 25 1884

Sydney Observatory.

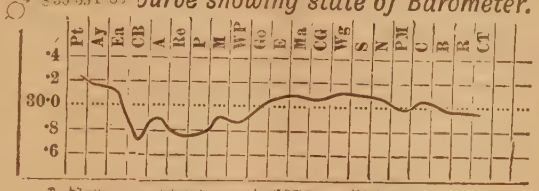
Lat. 33° 51 41″ S. ; *Long.* 10*h.* 4*m.* 50·81*s.* E.

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to September 30 41·863
Total Rainfall from Jan. 1st to October 25 ..40·231.
Barometers corrected to 32° Fah and Mean Sea Level

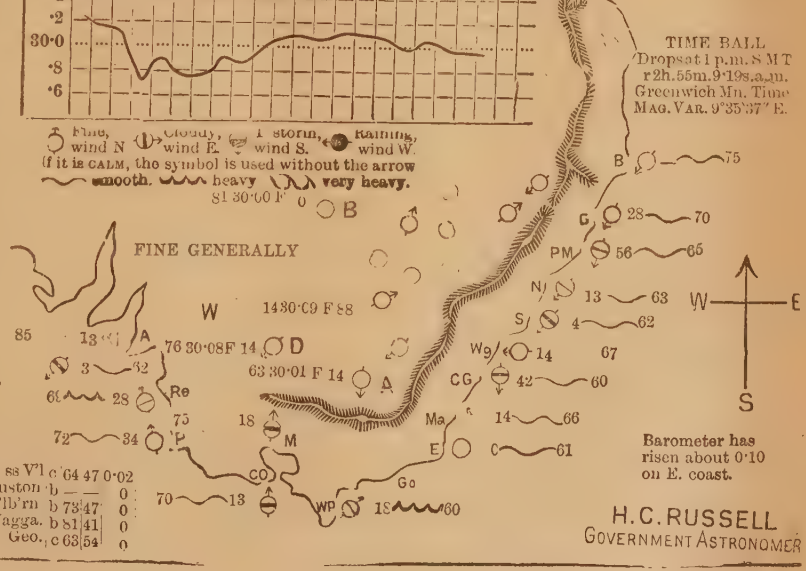
Stations.	Wt	M'x	Mn	R in
Casino ...	b	82 48		0
Tent'rfield	b	70 40		0
Clarence .	b	85 59		0
Moree....	b	83 57		0
Grafton ..	b	85 51		0
Gl'n Inn's	b	09 55		0
Inverell ..	b	71 43		0
Bourke ..	b	83 61		0
Narrabri.	b	90 51		0
Armidale	b	64 52		0
B'nden'r.	b	68 55		0
Gunned'h	b	78 53		0
Chamble	b	— —		0
Lismore..	b	84 58		0
Wilcna ..	b	62 39		0
Tamw'rth	b	70 42		0
Coonab'n	b	76 36		0
P.M'cqrie	c	76 56		0
W'lcannia	b	— —		0
M'rr'mdi	c	67 50		0
Taree....	b	71 56		0·11
Cassilis ..	b	69 47		—
M'ss'lbr'k	b	74 48		0
Dubbo...	b	78 45		0
Menindie.	b	81 60		0
Singleton	b	70 54		0
N'ls'n's B	c	79 53		0·16
23 66 Mudg'	b	81 37		0
Maitland.	b	65 53		0·13
Hill End.	b	— —		0
N'wcastle	c	69 56		0·03
Orange ..	b	63 42		0·02
Bathurst	b	66 41		0
Forbes...	b	79 47		0
M.V'ct'ria	b	67 53		0
Carcoar..	b	64 48		0
Cond'b'l'n	b	72 46		0
Marsdens	b	78 56		0
Picton....	b	62 45		0·01
Sydney ..	c	63 55		0·12
Wentw'th	b	74 61		0
Young....	b	— 46		0
Wolf'g'ng	b	68 44		0
Taralga...	b	71 30		0
Hay.....	b	84 48		0
M'ss V'l	c	64 47		0·02
Euston	b	— —		0
G'lb'rn	b	73 47		0
Wagga.	b	81 41		0
C. Geo..	c	63 54		0

Stations.	W't	M'x	Mn	R'in
Queanbey'n	b	68 49		0
Deniliquin.	b	85 47		0
Moruya....	b	67 52		0
Kiandra...	b	65 32		0
Albury	b	68 51		0
Bodalla....	b	72 48		0
Cooma	b	70 38		0
Eden.....	b	70 62		0

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. Storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow
smooth. heavy very heavy.



H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. OCTR 27 1884

Sydney Observatory.

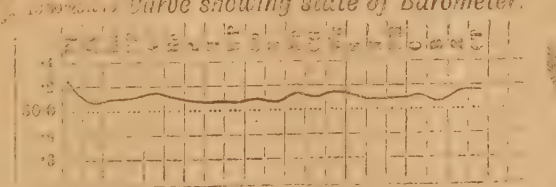
Lat. 33° 51′ 41″ *S.*; *Long.* 10h. 4m. 50·93s. *E.*

Average Annual Rainfall for 25 years ..... 50·09
Average for 26 years from Jan. 1st to September 30 41·63
Total Rainfall from Jan. 1st to October 27 ... 50·24
Barometers corrected to 32° Fah. 29th Inch. Sea Level

Stations.	w	w'x	m	R'in
Casino ...	b	89 45		0
Tenterfield	b	84 46		0
Tamworth ...	b	86 61		0
Nundle ...	b	[illegible]		0
Inverell ...	b	91 61		0
[illegible]	b	91 [illegible]		0
[illegible]	b	94 [illegible]		0
[illegible]	b	79 [illegible]		0
[illegible]	b	[illegible]		0
Narrabri ...	b	86 [illegible]		0
[illegible]	b	76 [illegible]		0
B'ndem'r.	b	77 45		0
Gunned'h	b	93 60		0
C'namble	—	—	—	—
Lismore..	b	90 58		0
Walcha ...	b	80 46		0
Tamw'rth	b	89 53		0
Coonab'ne	b	92 46		0
P.M'cqrie	c	77 59		0
W'leannia	b	— —		0
[illegible]	b	86 [illegible]		0
Tarce....	g	[illegible]		0
Cassilis ..	c	[illegible]		—
M'as'lbr'k	g	[illegible]		0
Dubbo. ...	b	98 55		0
Menindie.	g	75 [illegible]		0
Singleton	c	90 [illegible]		0
N'ls'n's B	g	[illegible] 51		0
0 68				
Mudg	b	[illegible]		[illegible]
Maitland.	b	[illegible]		[illegible]
Hill End.	u	[illegible]		0
N'wcastle	g	75 [illegible]		0·01
Orange ..	g	[illegible]		0
Bathurst	g	85 41		0
Port [illegible]	b	82 53		0
M.V'[illegible]	g	[illegible]		0
Carc[illegible]	b	[illegible]		0
Cook[illegible]	c	[illegible]		0
Marsdens	b	[illegible]		0
Liver[illegible]	u	86 58		0
Sydney ..	g	[illegible]		0
Wentw'th	c	[illegible]		0
Young. ...	u	[illegible]		0
Woll'g'ng	g	76 [illegible]		0
Taralga..	u	81 31		0
Bay	g	91 56		0

Stations.	w	w'x	m	R'in
Queanbeyan	b	[illegible]		0
Deniliquin	g	[illegible]		0
Moruya ...	[illegible]	[illegible]		[illegible]
Kiandra ...	b	73 [illegible]		0
Albury ...	g	[illegible]		0
Eudella ...	[illegible]	[illegible]		0
Cooma ...	[illegible]	[illegible]		0
[illegible]	[illegible]	[illegible]		0

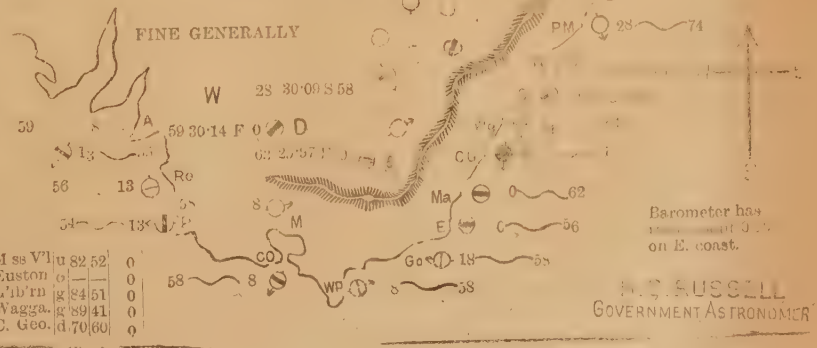
Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is calm, the symbol is used without the arrow.
smooth. heavy. very heavy.

88 29·91 F 0 B

TIME BALL
Drops at 1 p.m. S.M.T
=9h.55m.9·19s.a.m.
Greenwich Mn. Time
Mag. Var. 9°35′·7 E.



Barometer has [illegible] on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

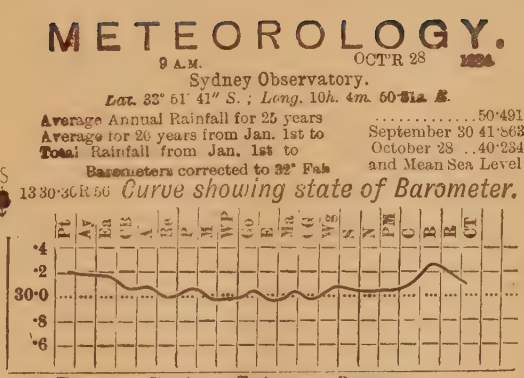
9 A.M. OCT'R 28 1884.

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·51*s. E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to September 30 41·863
Total Rainfall from Jan. 1st to October 28 ..40·234.
Barometers corrected to 32° Fah and Mean Sea Level

13 30·36 R 56 *Curve showing state of Barometer.*



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow
smooth. heavy. very heavy.

Stations.	wt	M'x	Mn	R in
Casino ...	b	90	60	0
Tnt'rfield	b	93	55	0
Clarence .	b	84	60	0
Maree....	b	98	64	0
Grafton ..	b	95	64	0
Gl'n Inn's	b	94	64	0
Inverell ..	b	86	64	0
Bourke ..	g	100	75	0
Narrabri .	u	100	69	0
Armidale	b	77	62	0
B'ndem'r.	b	78	41	0
Gunned'h'	–	—	—	—
C'namble	–	—	—	—
Lismore..	b	92	62	0
Walcha ..	c	84	55	0
Tamw'rth	b	95	61	0
Coonab'n	c	98	53	0
P.M'cqrie	b	78	65	0
W'lcannia	b	—	—	0
M'rr'r'ndi	b	86	61	0
Taree....	c	71	61	0
Cassilis ..	c	83	65	—
M'ss'lbr'k	c	85	58	0
Dubbo. ..	b	99	63	0
Menindie.	u	75	63	0
Singleton	b	79	67	0
N'ls'n'sB	b	80	63	0
18 64 Mudg'	b	90	55	0
Maitland.	b	80	66	0
Hill End .	b	—	—	0
N'wcastle	c	75	62	0
Orange ..	b	81	50	0
Bathurst	g	86	54	0
Forbes. ...	b	88	39	0
M. V'ct'ria	b	76	64	0
Carcoar..	b	75	66	0·17
Cond'b'l'n	b	86	56	0
Marsdens	c	84	65	0
Picton...	c	72	57	0
Sydney ..	c	71	61	0
Wentw'th	g	80	56	0
Young, ..	u	—	59	0
Woll'g'ng	c	76	52	0
Taralga..	b	76	40	0
Hay	u	92	51	0

Stations.	wt	M'x	Mn	R'in
Queanbey'n.	b	68	55	0
Deniliquin.	g	80	46	0
Moruya....	b	68	53	0
Kiandra...	c	67	34	0·05
Albury	c	66	46	0·05
Bodalla....	b	71	46	0
Cooma	c	70	43	0·06
Eden.....	u	61	50	0·09

M ss V'l	c	82	51	0·01
Euston	b	—	—	0
G'lb'rn		70	53	0
Wagga.	c,	74	48	0
C. Geo.	c	66	54	0

CLOUDY GENERALLY

TIME BALL
Drops at 1 p.m. S M T
r 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

Barometer has fallen about 0·10 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. OCT'R 29 [illegible]

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long.* 10*h.* 4*m.* 50·81*s.* E.

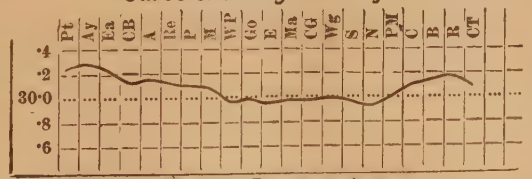
Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to September 30 41·863
Total Rainfall from Jan. 1st to October 29 ..40·249.
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	wt	M'x	Mn	R in
Casino ...	b	99	57	0
T'nt rfield'	b	92	48	0
Clarence .	b	84	64	0
Moree....	b	98	72	0
Grafton ..	b	99	62	0
G'n inn's	b	95	52	0
Inverell..	b	88	59	0
Bourke ..	g	100	66	0
Narrabri.	b	100	61	0
Armidale	b	81	70	0
B'ndem'r.	b	82	48	0
Gunned'h	b	98	63	0
C'namble	-	—	—	—
Lismore..	b	97	63	0
Walcha ..	b	83	52	0
Tamw'rth	b	82	62	0
Coonab'n	b	96	63	0
P.M'cqrie	b	81	65	0
W'lcannia	u	—	—	0
M'rr'r'ndi	b	85	63	0
Taree....	b	82	61	0
Cassilis ..	b	86	68	—
M'ss'lbr'k	b	101	69	0
Dubbo. ..	o	94	64	0
Menindie.	r	83	58	0·38
Singleton	b	92	77	0
N'ls'n's B	b	88	66	0·03
13 63 Mudg	g	95	59	0
Maitland.	b	86	68	0
Hill End .	c	—	—	0
N'wcastle	g	76	65	0
Orange ..	g	81	57	0
Bathurst	g	87	52	0
Forbes. ..	u	89	38	0
M.V'ct'ria	c	82	65	0
Carcoar..	u	75	61	0
Cond'b'l'n	g	87	55	0
Marsdens	d	88	62	0·02
Picton. ..	u	81	61	0·08
Sydney ..	g	75	65	0·02
Wentw'th	g	65	55	0
Young. ..	r	—	50	0·02
Woll'g'ng	g	78	56	0·12
Taralga..	g	82	45	0
Hay	u	84	55	0·25

Stations.	wt	M'x	Mn	R'in
Qeaunbey'n	r	74	58	0·08
Deniliquin.	g	86	51	0
Moruya....	r	69	57	0·11
Kiandra...	r	70	42	1·34
Albury	d	79	57	0
Bodalla....	r	76	54	0·29
Cooma	r	82	49	0·36
Eden.....	r	68	55	0

Stations.	wt	M'x	Mn	R'in
M ss V'l	u	81	61	0
Euston	c	—	—	0
G'lb'rn	g	85	56	0
Wagga.	r	84	52	0·72
C. Geo.	g	70	60	0

Curve showing state of Barometer.

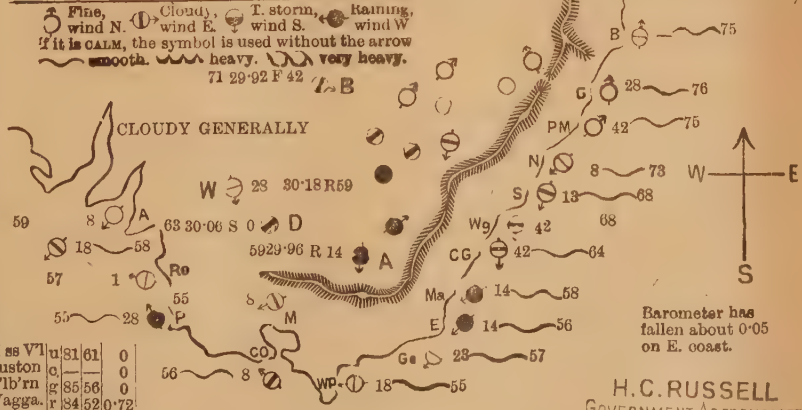


Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow

smooth. heavy. very heavy.

71 29·92 F 42



Barometer has fallen about 0·05 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. OCT'R 30 [illegible]

Sydney Observatory.

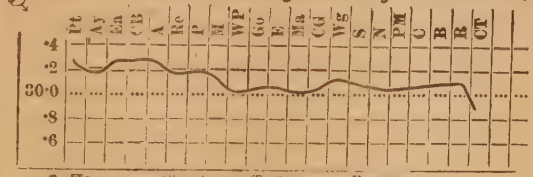
Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to September 30 41·863
Total Rainfall from Jan. 1st to October 30 ..40·251.
Barometers corrected to 32° Fah and Mean Sea Level

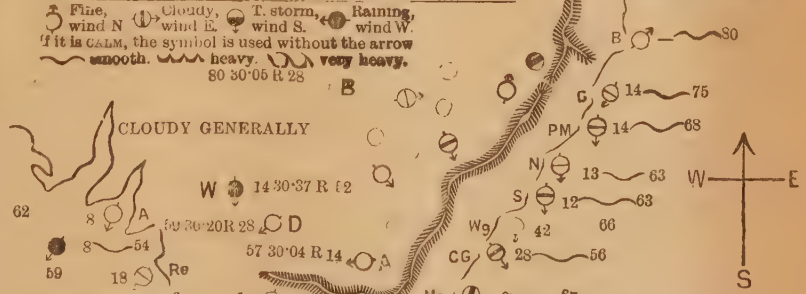
Stations.	wt	M'x	Mn	R in
Casino ...	g	96	62	0
T'nt'rfield	c	89	62	0
Clarence .	g	90	65	0
Moree....	b	97	69	0
Grafton ..	c	101	64	0
Gl'n Inn's	c	93	55	0
Inverell ..	b	87	66	0
Bourke ..	b	97	59	0·05
Narrabri.	g	99	61	0·07
Armidale	c	80	70	0·06
B'ndem'r.	p	60	47	0·10
Gunned'h	q	98	65	0
C'namble	-	—	-	—
Lismore ..	c	84	44	0·50
Walcha ..	u	84	54	0·01
Tamw'rth	c	95	62	0
Coonab'n	b	93	54	0·04
P.M'cqrie	g	78	62	0
W'lcannia	b	—	—	0
M'rr'ndi	g	90	64	0·13
Taree....	o	93	64	0·04
Cassilis ..	g	89	64	—
M'ss'lbr'k	g	101	61	0·11
Dubbo. ..	b	83	48	0·07
Menindie.	g	71	55	0·44
Singleton	c	94	65	0·24
N'ls'n's B	g	85	63	0·02
( ) 8 63				
Mudg'	u	89	47	0
Maitland.	p	87	63	0·16
Hill End.	b	—	—	0
N'wcastle	g	75	60	0·18
Orange ..	c	69	44	0
Bathurst	c	73	44	0·09
Forbes. ..	b	79	41	0
M.V'ct'ria	g	83	54	0·08
Carcoar..	b	70	56	0·05
Cond'b'l'n	c	73	45	0·05
Marsdens	c	64	53	0·12
Picton. ..	c	79	54	0·05
Sydney ..	g	71	61	0
Wentw'th	r	80	51	0·05
Young. ..	b	—	45	0·44
Woll'g'ng	c	72	50	0·02
Taralga..	b	76	40	0
Hay.....	c	71	49	0

Stations.	wt	M'x	Mn	R'in
Qeaunbey'n	b	69	55	0·56
Deniliquin.	b	74	46	0
Moruya....	g	58	52	0·64
Kiandra...	c	55	32	0·64
Albury	c	63	42	0
Bodalla....	g	66	49	0·81
Cooma	c	58	42	0·30
Eden.....	c	61	50	0·43

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow
smooth. heavy. very heavy.



Barometer has risen about 0·10 on E. coast.

M ss V'l	c	69	49	0·02
Euston	c	—	—	0
G'lb'rn	g	68	44	0
Wagga.	c	65	43	0·15
C. Geo.	g	64	55	0·07

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

OCT'R 31

9 A.M.

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to September 30 41·863
Total Rainfall from Jan. 1st to October 31 ..40·443.
Barometers corrected to 32° Fah and Mean Sea Level

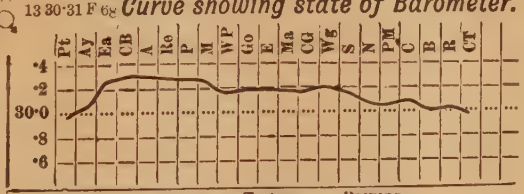
Stations.	wt	M'x	Mn	R in
Casino...	–	—	—	—
T'nt'rfield	–	—	—	—
Clarence.	r	90	64	1·04
Moree....	c	92	64	0
Grafton..	r	93	65	0·66
Gl'n Inn's	c	85	56	0·98
Inverell..	u	87	64	0·53
Bourke..	b	82	60	0
Narrabri.	c	80	50	0
Armidale	g	73	64	0·86
B'ndem'r.	b	75	42	0
Gunned'h	c	77	59	0·18
C'namble	b	—	—	—
Lismore..	–	—	—	—
Walcha..	u	75	56	0·01
Tamw'rth	c	75	54	0·69
Coonab'n	b	83	55	0
P.M'cqrie	c	78	63	1·90
W'lcannia	c	—	—	0·18
M'rr'r'ndi	g	71	59	0
Taree....	o	71	62	0·12
Cassilis..	p	72	58	—
M'ss'lbr'k	g	73	58	0·07
Dubbo....	o	87	61	0
Menindie.	u	64	53	0
Singleton	r	64	61	0·20
N'ls'n'sR	r	71	52	1·70
8 65				
Mudg	u	83	45	0·21
Maitland.	r	68	60	0·25
Hill End.	u	—	—	0·52
N'wcastle	q	66	59	0·07
Orange ..	u	66	51	0·04
Bathurst	u	73	52	0·21
Forbes...	g	82	39	0
M.V'ct'ria	d	64	45	0·35
Carcoar..	g	67	53	0·02
Cond'b'l'n	c	79	48	0
Marsdens	r	74	56	0·25
Picton...	u	69	57	0·13
Sydney...	g	65	60	0·19
Wentw'th	b	59	43	0·15
Young....	r	70	43	0·10
Woll'g'ng	c	71	51	0·08
Taralga..	g	74	42	0·21
Hay.....	c	75	48	0

Stations.	wt	M'x	Mn	R'in
Qeaunbey'n	g	67	51	0
Deniliquin.	b	77	44	0
Moruya....	g	68	55	0
Kiandra...	c	63	30	0
Albury	b	74	47	0
Bodalla....	g	71	51	0
Cooma	g	71	47	0·02
Eden.....	c	65	51	0

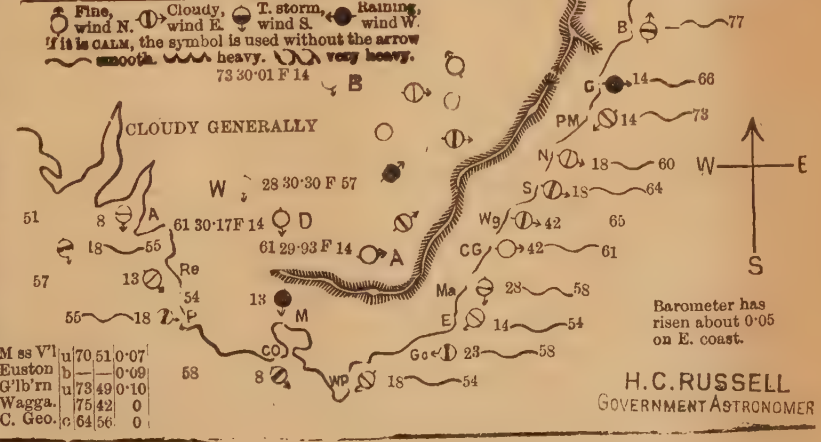
M ss V'l	u	70	51	0·07
Euston	b	—	—	0·09
G'lb'rn	u	73	49	0·10
Wagga.		75	42	0
C. Geo.	c	64	56	0

13 30·31 F 68

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow
smooth. heavy. very heavy.



TIME BALL
Drops at 1 p.m. S M T
r 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

Barometer has risen about 0·05 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. NOV. 1 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to October 31 ..44·963
Total Rainfall from Jan. 1st to November 1 40·911
Barometers corrected to 32° Fah and Mean Sea Level

Curve showing state of Barometer.

Stations.	Wt	M'x	Mn	R in
Casino ...	—	—	—	—
T'nt'rfield	c	61	51	1·75
Clarence .	c	80	63	1·06
Moree....	g	90	50	0
Grafton..	c	71	63	1·05
Cl'n Inn's	b	76	51	0·41
Inverell..	b	77	54	0·15
Bourke ..	b	86	53	0
Narrabri.	b	90	51	0
Armidale	b	65	56	1·17
B'ndem'r.	b	62	31	2·10
Gunned'h	—	—	—	—
C'namble	b	—	—	0
Lismore..	b	—	—	0
Walcha ..	b	69	49	0·62
Tamw'rth	b	83	50	0
Coonab'n	b	86	49	0·22
P.M'cqrie	b	79	58	0·22
W'lcannia	b	—	—	0
M'rr'r'ndi	u	61	51	0
Taree....	g	75	65	0·09
Cassilis ..	u	64	37	—
M'ss'lbr'k	d	74	57	0·20
Dubbo. ...	c	80	51	0·44
Menindie.	b	71	56	0
Singleton	b	65	55	1·10
N'ls'n's P	r	63	51	—
Mudg	u	72	47	0·29
Maitland.	r	63	60	2·59
Hill End.	r	—	—	1·57
N'wcastle	r	64	59	1·45
Orange ..	g	62	46	0·41
Bathurst	r	61	49	0·79
Forbes. ..	g	79	38	0·66
M.V'ct'ria	u	52	47	0·32
Carcoar..	p	62	52	0·27
Cond'b'l'n	g	78	48	0·56
Marsdens	p	66	56	0·08
Picton. ..	r	66	57	0
Sydney ..	d	65	58	0·47
Wentw'th	b	76	47	0
Young. ..	p	71	47	0·24
Woll'g'ng	c	73	52	0·05
Taralga..	r	69	41	0·32
Hay	c	77	51	0·18

Stations.	Wt	M'x	Mn	R in
Queanbey'n	c	62	53	0·03
Deniliquin .	b	83	45	0
Moruya....	u	68	54	0·10
Kiandra...	g	63	10	0
Albury	u	81	59	0
Rutalla....	g	70	50	0·05
Cooma	g	70	46	0
Ed'n.....	c	65	50	0·01
M'ss V'll	r	59	44	0·04
Euston	b	—	—	0
G'lb'rn	p	60	37	0·17
Wagga.	u	64	51	0·52
C. Geo.	r	66	57	0·15

Fine, wind N. Cloudy, wind E. Storm, wind S. Raining, wind W
If it is CALM, the symbol is used without the arrow
smooth, heavy very heavy.

CLOUDY GENERALLY

TIME BALL
Drops at 1 p.m. S M T
= 2h. 5m. 9·18s. G.m.
Greenwich Mn. Time
MAG. VAR. 9° 35′ 7″ E.

H. C. RUSSELL
GOVERNMENT ASTRONOMER.

METEOROLOGY.

9 A.M. NOV. 3 1884.

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years ..... 50·491
Average for 26 years from Jan. 1st to October 31 .. 44·963
Total Rainfall from Jan. 1st to November 3 40·974

Barometers corrected to 32° Fah and Mean Sea Level

23 30·13 F 82 *Curve showing state of Barometer.*

Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow

smooth. heavy. very heavy.

72 30·03 R 0

CLOUDY GENERALLY

W 28 30·21 F 70

68 30·17 R 0

65 30·05 R 14

TIME BALL
Drops at 1 p.m. S M T
r 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

Stations.	Wt	M'x	Mn	R'in
Casino ...	c	78	70	0·92
T'nt'rfield	u	78	—	0·65
Clarence.	r	75	58	0·62
Moree....	b	85	53	0
Grafton..	r	74	53	0·74
Gl'n Inn's	u	69	45	0·14
Inverell..	o	64	53	0
Bourke ..	b	83	58	0·32
Narrabri.	b	85	45	1·02
Armidale	g	66	55	1·24
B'ndem'r.	g	56	36	1·06
Gunned'h	c	74	55	0
C'hamble	b	—	—	0
Lismore..	-	—	—	—
Walcha ..	u	70	48	0·04
Tamw'rth	b	73	51	0
Coonab'n	b	69	45	0·40
P.M'cqrie	r	74	57	0·51
W'lcannia	b	—	—	0
M'rr'r'ndi	o	61	52	0·52
Taree....	p	69	58	0·01
Cassilis ..	g	66	52	—
M'ss'lbr'k	g	70	55	0·09
Dubbo...	b	78	47	2·81
Meniudie.	b	82	58	0
Singleton	u	67	60	0·01
N'ls'n's R	u	74	61	0·01
Mudgee	b	76	43	0
Maitland.	g	67	57	0·06
Hill End.	c	—	—	0
N'wcastle	c	67	58	0
Orange ..	c	66	48	0
Bathurst	u	69	43	0·19
Forbes...	c	77	39	0·40
M.V'ct'ria	u	56	40	0·18
Carcoar..	b	64	45	0·45
Cond'b'l'n	b	69	48	0·77
Marsdens	b	76	56	0
Picton...	u	64	52	0·04
Sydney ..	g	66	58	0·06
Wentw'th	b	85	54	0
Young...	b	81	36	0
Woll'g'ng	c	69	49	0·01
Taralga..	c	76	39	0·18
Hay.....	b	85	53	0
Mss V'l	p	60	48	0·40
Euston	b	—	—	0
G'lb'rn	g	69	45	0·12
Wagga.	b	83	48	0
C. Geo.	g	64	53	0·07

Stations.	Wt	M'x	Mn	R'in
Qeaunbey'n	b	69	49	0
Deniliquin.	b	86	45	0
Moruya....	g	67	54	0
Kiandra...	b	64	37	0
Albury	b	83	51	0·05
Bodalla....	g	71	46	0
Cooma	c	72	45	0
Eden.....	b	71	51	0

METEOROLOGY.

9 A.M. NOV. 4 1884

Sydney Observatory.

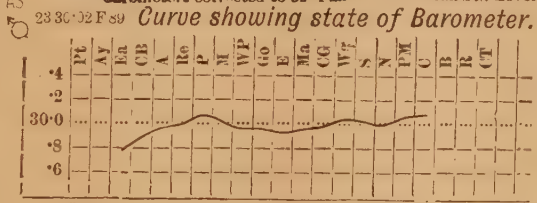
Lat. 33° 51′ 41″ *S.* ; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years ..... 50·491
Average for 26 years from Jan. 1st to October 31 .. 44·963
Total Rainfall from Jan. 1st to November 4 40·975
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	wt	M'x	Mn	R in.
Casino ...	b	75	51	0
T'nt'rfield	b	70	42	0·28
Clarence..	b	76	56	0·02
Moree....	b	86	58	0
Grafton..	b	72	51	0
Gl'n Inn's	b	67	42	0·01
Inverell..	b	69	48	0·01
Bourke ..	b	88	59	0
Narrabri..	c	80	36	0
Armidale	b	61	53	0
B'ndem'r.	b	65	41	0·09
Gunned'h	b	77	53	0
C'namble	b	—	—	0
Lismore..	b	75	57	0
Walcha ..	b	59	42	0
Tamw'rth	b	75	43	0
Coonab'n	b	74	40	0
P.M'cqric	b	70	57	0·28
W'lcannia	c	—	—	0
M'rr'r'ndi	b	65	46	0
Taree....	b	70	54	0·16
Cassilis ..	b	—	—	—
M'ss'lbr'k	b	72	54	0
Dubbo....	b	76	46	0
Menindie.	c	86	65	0
Singleton	b	70	52	0
N'ls'n's P	c	81	51	0
Mudg	b	78	37	0
Maitland.	b	70	53	0
Hill End.	b	—	—	0
N'wcastle	b	68	54	0
Orange ..	b	66	41	0
Bathurst	b	66	40	0
Forbes....	b	79	38	0
M.V'ct'ria	b	61	56	0
Carcoar..	b	65	48	0
Cond'b'l'n	b	68	58	0
Marsdens	b	76	59	0
Picton....	b	66	41	0
Sydney ..	b	67	52	0
Wentw'th	b	93	57	0
Young....	c	79	47	0
Woll'g'ng	b	75	43	0
Taralga..	b	66	48	0
Hay	b	88	53	0

Stations.	wt	M'x	Mn	R in.
Queanbey'n	b	80	50	0
Deniliquin.	b	92	49	0
Moruya....	c	70	49	0
Kiandra....	c	68	61	0
Albury	b	84	52	0
Bodalla....	c	75	42	0
Cooma	c	76	41	0
Eden.....	c	63	54	0
M'ss V'l	b	63	52	0·01
Euston	b	—	—	0
G'lb'rn	b	67	41	0
Wagga.	b	81	50	0
C. Geo.	b	66	51	0

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T storm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow

smooth. heavy very heavy.

TIME BALL
Drops at 1 p.m. S M T
r 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

FINE GENERALLY

Barometer has fallen about 0·15 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

NOV. 5 1884

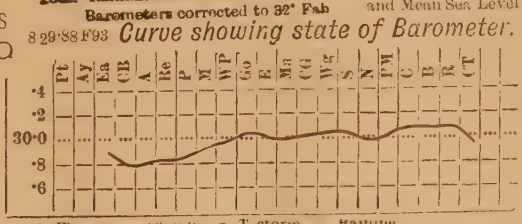
9 A.M.

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to October 31 ..44·963
Total Rainfall from Jan. 1st to November 5 40·981
Barometers corrected to 32° Fah and Mean Sea Level

8 29·88 F93 *Curve showing state of Barometer.*



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W
If it is CALM, the symbol is used without the arrow
smooth heavy very heavy.

Stations.	wt	M'x	Mn	R in
Casino ...	b	82	53	0
T'nt'rfield	b	77	46	0
Clarence .	b	81	59	0
Moree....	b	91	56	0
Grafton ..	b	84	56	0
Gl'n Inn's	b	81	44	0
Inverell..	b	74	48	0
Bourke ..	b	96	62	0
Narrabri.	b	89	43	0
Armidale	b	66	54	0
B'ndem'r.	b	72	40	0
Gunned'h	b	85	54	0
C'namble	b	—	—	0
Lismore..	b	81	57	0
Walcha ..	b	69	44	0
Tamw'rth	b	81	48	0
Coonab'n	b	84	45	0
P.M'cqrie	b	73	54	0
W'lcannia	b	—	—	0
M'rr'r'ndi	b	75	64	0
Taree....	b	78	52	0
Cassilis ..	b	75	53	—
M'ss'lbr'k	b	86	52	0
Dubbo...	b	86	52	0
Menindie.	b	92	66	0
Singleton	b	79	59	0
N'ls'n's B	c	80	63	0
8 68				
Mudg	b	85	42	0
Maitland.	b	77	59	0
Hill End.	b	—	—	0
N'wcastle	c	71	61	0
Orange ..	b	71	46	0
Bathurst	b	76	45	0
Forbes...	b	85	39	0
M.V'ct'ria	b	74	60	0
Carcoar..	b	70	52	0
Cond'b'l'n	b	76	59	0
Marsdens	b	86	61	0
Picton...	-	-	-	—
Sydney ..	c	71	60	0·01
Wentw'th	c	99	60	0
Young...	c	89	72	0
Woll'g'ng	c	75	47	0
Taralga..	b	76	41	0
Hay	b	93	61	0

Stations.	wt	M'x	Mn	R'in
Queanbey'n	g	73	54	0
Deniliquin .	b	96	59	0
Moruya....	c	71	57	0
Kiandra...	c	70	45	0
Albury	b	89	58	0
Bodalla....	c	76	53	0
Cooma	g	81	46	0
Eden.....	c	69	54	0

73

TIME BALL
Drops at 1 p.m. S MT
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″E.

FINE GENERALLY

Barometer has fallen about 0·10 on S. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. NOV. 6 1884.

Sydney Observatory.

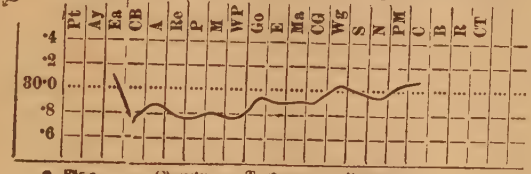
Lat. 33° 51′ 41″ S.; Long. 10h. 4m. 50·7s. E.

Average Annual Rainfall for 26 years ..... 50·491
Average for 26 years from Jan. 1st to October 31 .. 44·963
Total Rainfall from Jan. 1st to November 6 .. 40·981
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	wt	M'x	Mn	R in
Casino ...	b	92	57	0
T'nt'rfield	b	86	52	0
Clarence .	b	87	65	0
Maree....	b	95	69	0
Grafton..	b	91	59	0
Gl'n Inn's	b	91	52	0
Inverell..	b	79	51	0
Bourke ..	b	105	71	0
Narrabri.	c	93	48	0
Armidale	b	72	58	0
B'ndem'r.	b	75	38	0
Gunned'h	b	92	62	0
C'namble	b	—	—	0
Lismore..	b	91	61	0
Walcha ..	b	79	45	0
Tamw'rth	b	89	57	0
Coonab'n	b	89	48	0
P.M'cqrie	b	77	62	0
W'lcannia	b	—	—	0
M'rr'r'ndi	b	83	70	0
Taree....	c	79	52	0
Cassilis ..	b	82	63	—
M'ss'lbr'k	c	91	63	0
Dubbo. ..	b	96	62	0
Menindie.	c	92	78	0
Singleton	b	80	66	0
N'ls'n's P	g	72	56	0
8 64				
Mudg	b	92	57	0
Maitland.	c	79	67	0
Hill End .	b	—	—	0
N'wcastle	c	71	65	0
Orange ..	c	79	52	0
Bathurst	b	85	50	0
Forbes...	b	69	49	0
M.V'ct'ria	b	77	60	0
Carcoar..	b	76	61	0
Cond'b'l'n	b	82	64	0
Marsdens	b	92	68	0
Picton. ..	o	76	56	0
Sydney ..	g	73	60	0
Wentw'th	g	103	71	0
Young. ..	c	92	58	0
Woll'g'ng	c	78	53	0
Taralga..	b	83	50	0
Hay.....	c	101	61	0

Stations.	wt	M'x	Mn	R'in
Qeaunbey'n	c	77	58	0
Deniliquin.	g	103	63	0
Moruya....	g	70	59	0
Kiandra...	c	78	38	0
Albury	o	94	64	0
Bodalla....	b	75	57	0·04
Cooma	c	78	47	0
Eden.....	u	72	60	0

AS 23 30·02 R 84 *Curve showing state of Barometer.*



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow
smooth. heavy very heavy.

87 29·78 F 14

CLOUDY GENERALLY

W 28 29·97 R 74

79 29·86 F 0 D

74 29·80 F 0 A

TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

Barometer has fallen about 0·05 on S. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. NOV. 7 [illegible]

Sydney Observatory.

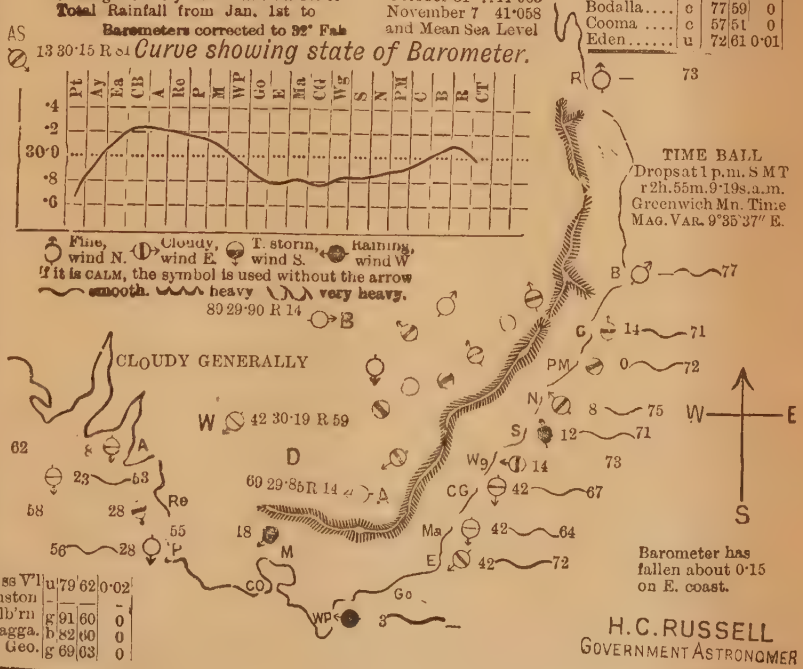
Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to October 31 ..44·963
Total Rainfall from Jan. 1st to November 7 41·058
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	wt	M'x	Mn	R in
Casino...	c	94	67	0·10
T'nt'rfield	c	89	58	0·23
Clarence.	g	84	68	0
Moree....	c	95	64	0·73
Grafton..	u	92	60	0
Gl'n Inn's	c	93	56	0·60
Inverell..	o	85	64	0·47
Bourke..	b	111	69	0·03
Narrabri.	u	97	56	0·34
Armidale	b	76	64	0·36
B'ndem'r.	u	70	49	0·14
Gunned'h	q	98	65	0·94
C'namble	b	—	—	0 15
Lismore..	c	93	68	0
Walcha..	c	81	59	0·14
Tamw'rth	c	94	64	0·77
Coonab'n	q	96	48	0·46
P.M'cqrie	g	79	67	0
W'lcannia	b	—	—	0
M'rr'r'ndi	r	87	65	0·48
Taree....	g	84	68	0·03
Cassilis..	u	84	68	0·07
M'ss'lbr'k	r	98	64	0·01
Dubbo...	u	100	63	0·12
Menindie.	b	91	63	0
Singleton	g	79	64	0·16
N'ls'n's B	g	75	61	0·44
23 65 Mudg	u	92	55	0·25
Maitland.	u	85	67	0·09
Hill End.	p	—	—	0·28
N'wcastle	c	78	65	0·07
Orange..	g	83	59	0·05
Bathurst	u	87	60	0·10
Forbes...	b	95	49	0·05
M.V'ct'ria	p	71	53	0·32
Carcoar..	g	78	63	0·15
Cond'b'l'n	b	72	58	0·08
Marsdens	b	94	71	0
Picton...	g	83	62	0
Sydney..	d	78	67	0·08
Wentw'th	c	88	48	0
Young...	g	95	59	0
Woll'g'ng	c	75	60	0
Taralga..	p	83	44	0
Hay.....	b	93	59	0

Stations.	wt	M'x	Mn	R'in
Qeaunbey'n	g	82	62	0
Deniliquin.	–	—	—	—
Moruya....	g	72	60	0·12
Kiandra...	g	79	48	0·08
Albury....	b	85	59	0
Bodalla....	c	77	59	0
Cooma....	c	57	51	0
Eden.....	u	72	61	0·01

M ss V'l	u	79	62	0·02
Euston	–	—	—	–
G'lb'rn	g	91	60	0
Wagga.	b	82	60	0
C. Geo.	g	69	63	0



H.C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. NOV. 8 1894.

Sydney Observatory.

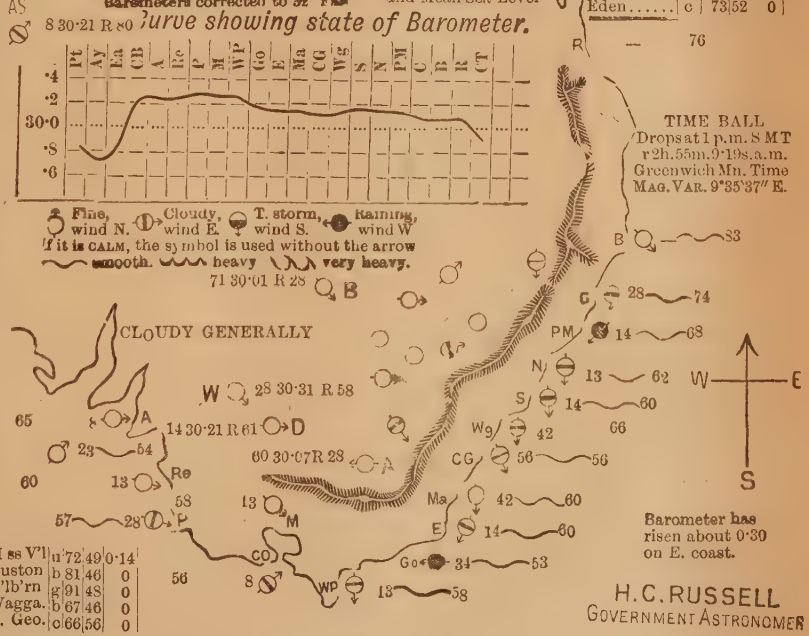
Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to October 31 ..44·963
Total Rainfall from Jan. 1st to November 8 41·325
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	wt	M'x	MN	R in
Casino ...	c	93	64	0·02
T'nt'rfield	–	—	—	—
Clarence.	c	90	69	0
Moree....	b	86	62	0·57
Grafton..	u	96	63	0
Gl'n Inn's	b	79	53	0·13
Inverell..	b	80	59	0
Bourke ..	b	99	63	0
Narrabri	b	88	55	0
Armidale	c	70	63	0·12
B'ndem'r.	b	76	41	0·36
Gunned'h	c	87	63	0·34
C'namble	b	—	—	0
Lismore..	b	—	—	0
Walcha ..	u	69	54	0·24
Tamw'rth	b	81	62	0·40
Coonab'n	b	85	54	0
P.M'cqric	p	82	62	0·38
W'lcannia	b	—	—	0
M'rr'r'ndi	g	76	59	0·65
Taree....	g	84	62	0·13
Cassilis ..	u	82	53	0
M'ss'lbr'k	g	81	52	0·90
Dubbo. ..	b	90	58	0
Menindie.	b	76	69	0
Singleton	u	76	61	0
N'ls'n's B	p	72	59	0·60
♂ 34 87				
Mudg	u	86	51	0
Maitland.	u	79	60	0·51
Hill End.	u	—	—	0
N'wcastle	g	76	61	0·03
Orange ..	g	78	51	0
Bathurst	g	78	47	0
Forbes. ..	b	89	49	0
M.V'ct'ria	g	62	40	0·10
Carcoar..	b	74	55	0
Cond'b'l'n	b	65	51	0
Marsdens	b	85	60	0
Picton. ..	g	79	55	0·76
Sydney ..	b	72	58	0·27
Wentw'th	b	77	49	0
Young. ..	c	91	51	0
Woll'g'ng	g	74	50	0·05
Taralga..	g	80	43	0
Hay	b	77	41	0

Stations.	wt	M'x	MN	R'in
Qeaunbey'n	g	79	51	0·02
Deniliquin.	b	80	48	0
Moruya....	b	71	53	0 10
Kiandra...	c	72	36	0
Albury	b	82	52	0
Bodalla....	b	76	48	0·12
Cooma	b	72	40	0
Eden.....	c	73	52	0

M ss V'l	u	72	49	0·14
Euston	b	81	46	0
G'lb'rn	g	91	48	0
Wagga.	b	67	46	0
C. Geo.	c	66	56	0



METEOROLOGY.

9 A.M. NOV. 10 1884.

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to October 31 ..44·963
Total Rainfall from Jan. 1st to November 10 41·328
Barometers corrected to 32° Fah and Mean Sea Level

Curve showing state of Barometer.

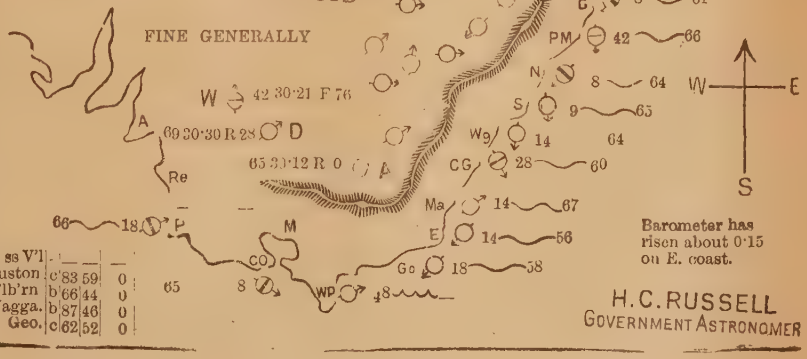
Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W
If it is CALM, the symbol is used without the arrow
smooth. heavy very heavy.

Stations.	wt	M'x	Mn	R in
Casino...	g	75	58	0
T'nt'rfield	b	84	44	0
Clarence.	o	78	60	0·01
Moree....	u	80	65	0
Grafton..	g	79	59	0
Gl'n Inn's	c	84	55	0·58
Inverell..	b	82	55	0
Bourke ..	c	91	61	0
Narrabri	b	94	55	0
Armidale	c	68	56	0·26
B'ndem'r.	c	69	43	0
Gunned'h	–	—	—	—
C'namble	b	—	—	0
Lismore..	–	..	..	..
Walcha...	g	70	44	0
Tamw'rth	c	73	54	0
Coonab'n	b	74	51	0
P.M'cqrie	c	72	57	0
W'lcannia	b	—	—	0
M'rr'r'ndi	u	67	53	0
Taree....	–	—	—	—
Cassilis ..	g	69	55	0
M'ss'lbr'k	g	73	51	0
Dubbo. ...	b	78	52	0
Menindie.	g	88	71	0
Singleton	g	70	59	0
N'ls'n's P	g	84	51	0·10
Mudg'	g	81	43	0
Maitland..	g	76	56	0
Hill End.	b	—	—	0
N'wcastle	g	67	58	0
Orange ..	b	65	42	0
Bathurst	b	69	41	0
Forbes...	b	78	49	0
M. V'ct'ria	g	58	41	0
Carcoar..	b	67	49	0
Coud'b'l'n	b	66	52	0
Marsdens	b	81	56	0
Picton. ..	c	65	53	0
Sydney ..	c	66	54	0
Wentw'th	c	91	62	0
Young. ...	b	75	44	0
Woll'g'ng	c	71	49	0
Taralga..	b	66	42	0
Hay.....	b	87	52	0

Stations.	wt	M'x	Mn	R'in
Queanbey'n	b	67	44	0
Deniliquin.	b	90	54	0
Moruya....	c	70	50	0
Kiandra...	b	59	34	0
Albury	b	84	49	0
Bodalla....	b	71	41	0
Cooma	b	72	34	0
Eden.....	b	66	47	0

M'ss V'l — — —

Euston	c	83	59	0
G'lb'rn	b	66	44	0
Wagga.	b	87	46	0
C. Geo.	c	62	52	0



Barometer has risen about 0·15 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. NOV. 11 1884

Sydney Observatory.

Lat. 33° 51′ 41″ S.; Long. 10h. 4m. 50·81s. E.

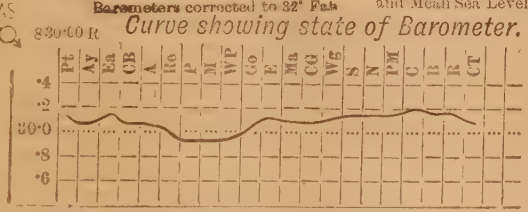
Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to October 31 ..44·963
Total Rainfall from Jan. 1st to November 11 41·329
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	wt	M'x	Mn	R in
Casino ...	c	77	58	0
T'nt'rfield	b	72	54	0
Clarence ..	c	79	60	0
Moree....	g	85	58	0
Grafton...	c	77	61	0
Gl'n Inn's	c	76	56	0
Inverell..	b	73	52	0
Bourke ..	c	91	66	0
Narrabri	b	82	51	0
Armidale	b	64	57	0
B'ndem'r.	b	70	52	0
Gunned'h	c	82	58	0
C'hamble	b	—	—	0
Lismore..	b	73	52	0
Walcha ..	c	69	49	0
Tamw'rth	b	77	54	0
Coonab'n	g	79	45	0
P.M'cqrie	b	72	51	0
W'lcannia	b	—	—	0
M'rr'r'ndi	b	71	54	0
Taree....	b	73	51	0
Cassilis ..	b	70	51	0
M'ss'lbr'k	b	80	48	0
Dubbo...	o	87	54	0
Menindie..	r	87	77	0
Singleton	b	70	51	0
N'ls'n's B	c	82	51	0
0 65				
Mudg	g	85	42	0
Maitland.	c	74	52	0
Hill End.	o	—	—	0
N'wcastle	b	68	54	0
Orange ..	c	70	43	0
Bathurst	g	75	42	0
Forbes...	c	80	55	0
M. V'ct'ria	c	73	59	0
Carcoar..	g	67	52	0
Cond'b'l'n	c	69	52	0
Marsdens	c	82	61	0
Picton...	c	71	49	0
Sydney ..	c	68	57	0
Wentw'th	g	94	62	0·05
Young...	g	82	51	0
Woll'g'ng	–	–	–	–
Taralga..	b	76	37	0
Hay.....	c	88	61	0

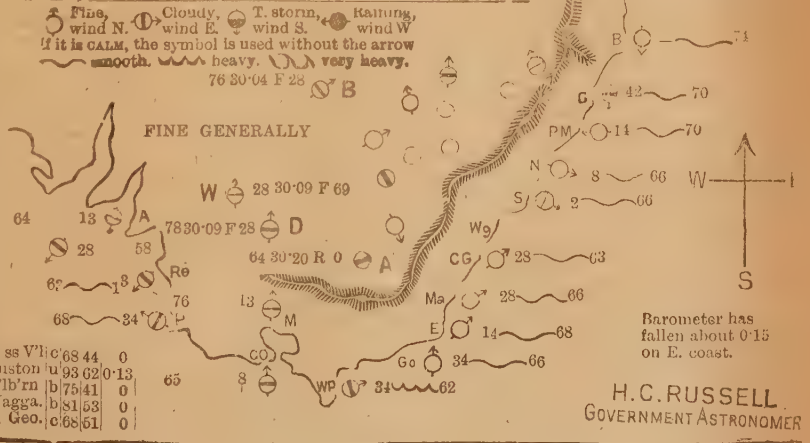
Stations.	w't	M'x	Mn	R'in
Queanbey'n	b	69	49	0
Deniliquin.	g	90	64	0
Moruya....	c	71	50	0
Kiandra...	c	72	29	0
Albury	u	85	51	0
Bodalla....	b	72	40	0
Cooma	b	78	38	0
Eden.....	b	68	54	0

M ss V'lle 68 44 0
Euston u 93 62 0·13
G'lb'rn b 75 41 0
Wagga. b 81 53 0
C. Geo. c 68 51 0

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W
If it is CALM, the symbol is used without the arrow
smooth. heavy. very heavy.



Barometer has fallen about 0·15 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. NOV. 12 [illegible]

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

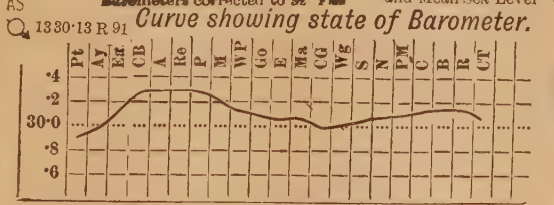
Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to October 31 ..44·963
Total Rainfall from Jan. 1st to November 12 41·330
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	wt	M'x	Mn	R in
Casino...	b	84	59	0
T'nt'rfield	c	80	51	0
Clarence.	–	—	—	—
Moree....	c	83	64	0
Grafton..	–	—	—	—
Gl'n Inn's	u	82	51	0
Inverell..	b	76	59	0
Bourke..	b	82	71	0
Narrabri	b	90	57	0
Armidale	c	68	58	0
B'ndem'r.	b	71	53	0
Gunned'h	c	83	62	0
C'namble	b	—	—	0
Lismore..	b	82	56	0
Walcha..	g	69	52	0
Tamw'rth	b	81	56	0
Coonab'n	c	82	51	0
P.M'cqrie	g	74	58	0
W'lcannia	b	—	—	0
M'rr'r'ndi	b	74	56	0
Taree....	c	76	56	0
Cassilis..	b	75	60	0
M'ss'lbr'k	b	84	57	0
Dubbo...	b	86	54	0
Menindie.	c	80	73	0
Singleton	b	78	61	0
N'ls'n's B	c	83	53	0
18 67 Mudg	b	81	47	0
Maitland.	c	78	60	0
Hill End.	b	—	—	0
N'wcastle	g	77	59	0
Orange..	b	73	50	0
Bathurst	b	78	50	0
Forbes...	b	84	56	0
M.V'ct'ria	b	75	60	0
Carcoar..	b	74	65	0
Cond'b'l'n	b	74	57	0
Marsdens	b	84	66	0
Picton...	b	77	53	0
Sydney..	b	71	58	0
Wentw'th	b	92	56	0·03
Young...	b	85	52	0
Woll'g'ng	b	—	—	0
Taralga..	b	79	40	0
Hay.....	b	85	61	0

Stations.	wt	M'x	Mn	R'in
Qeaunbey'n	b	79	58	0
Deniliquin.	b	92	59	0
Moruya....	c	72	55	0
Kiandra...	b	80	44	0
Albury....	b	86	57	0
Bodalla....	b	75	47	0
Cooma....	c	85	49	0
Eden.....	c	69	55	0

Stations.	wt	M'x	Mn	R'in
M ss V'l	b	77	55	0
Euston	b	88	57	0
G'lb'rn	b	79	41	0
Wagga.	b	93	53	0·07
C. Geo.	c	66	56	0

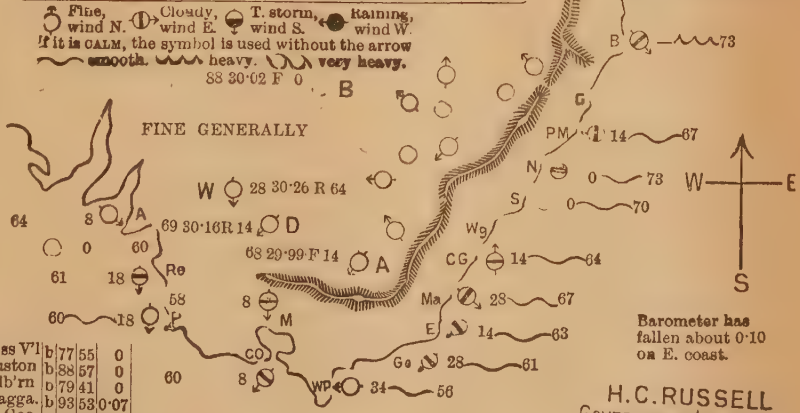
Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.

If it is CALM, the symbol is used without the arrow

smooth. heavy. very heavy.



Barometer has fallen about 0·10 on E. coast.

H.C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. NOV. 13 1884.

Sydney Observatory.

Lat. 33° 51′ 41″ S.; *Long.* 10*h.* 4*m.* 50·81*s.* E.

Average Annual Rainfall for 25 years ..... 50·497
Average for 26 years from Jan. 1st to October 31 .. 44·963
Total Rainfall from Jan. 1st to November 13 41·330
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	wt	M'x	Mn	R'in
Casino ...	b	87	53	0
T'nt'rfield	b	82	46	0
Clarence..	b	86	63	0
Moree....	b	91	62	0
Grafton..	b	86	54	0
Gl'n Inn's	b	77	49	0
Inverell..	b	78	55	0
Bourke ..	b	88	70	0
Narrabri	b	93	46	0
Armidale	b	71	62	0
B'ndem'r.	b	72	55	0
Gunned'h.	c	91	65	0
C'namble	b	—	—	0
Lismore..	b	86	58	0
Walcha ..	c	72	50	0
Tamw'rth	b	87	60	0
Coonab'n	b	88	48	0
P.M'cqrie	b	78	57	0
W'lcannia	b	—	—	0
M'rr'ndi	c	81	48	0
Taree....	c	84	54	0
Cassilis ..	b	80	60	0
M'ss'lbr'k	c	92	63	0
Dubbo. ..	b	97	52	0
Menindie.	c	85	64	0
Singleton	b	85	62	0
N'ls'n's B	g	77	58	0
0 65				
Mudg	b	88	52	0
Maitland.	g	85	63	0
Hill End.	b	—	—	0
N'wcastle	c	77	64	0
Orange ..	b	77	52	0
Bathurst	b	81	50	0
Forbes...	b	94	64	0
M.V'ct'ria	u	76	58	0·10
Carcoar..	b	75	61	0
Cond'b'l'n	b	77	52	0
Marsdens	b	89	70	0
Picton...	o	84	60	0·11
Sydney ..	g	78	62	0
Wentw'th	b	84	55	0
Young...	b	92	58	0
Woll'g'ng	g	58	53	0
Taralga..	u	81	38	0
Hay.....	b	87	51	0

Stations.	wt	M'x	Mn	R'in
Queanbey'n	u	80	60	0·23
Deniliquin.	b	88	49	0
Moruya....	g	73	55	0·14
Kiandra...	g	58	41	0
Albury	b	84	55	0
Bodalla....	g	73	53	0
Cooma	g	87	51	0·40
Eden.....	u	76	55	0·10

Mss V'l	c	82	54	0·50
Euston	c	86	52	0
G'lb'rn	g	85	53	0·13
Wagga.	b	85	54	0
C. Geo.	p	76	58	0

AS 13 30·16 R 77 *Curve showing state of Barometer.*

Pt Ay Ea CB A Re P M WP Go E Ma CG W SW N PM C B R CT

30·4 ·2 30·0 ·8 ·6

Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow

smooth. heavy. very heavy.

99 29·98 F 0

FINE GENERALLY

W 28 30·25 F 68

66 30·14 F 0

63 29·98 F 28

TIME BALL
Drops at 1 p.m. S MT
or 2h.55m.9·19s.a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

Barometer has risen about 0·20 on E. coast.

H.C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

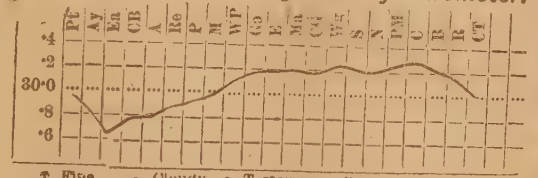
9 A.M. NOV. 14 1884.

Sydney Observatory.

Lat. 33° 51′ 41″ S.; Long. 10h. 4m. 50·81s. E.

Average Annual Rainfall for 25 years ..... 50·491
Average for 26 years from Jan. 1st to October 31 ..44·993
Total Rainfall from Jan. 1st to November 14 41·430
Barometers corrected to 32° Fah and Mean Sea Level

0 30·06 S 86 *Curve showing state of Barometer.*



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow
smooth. heavy. very heavy.

86 29·98 S 28

CLOUDY GENERALLY

W 28 30·00 F 70

70 30·14 S 14

74 29·96 F 14

TIME BALL
Drops at 1 p.m. S MT
or 2h.55m.9·19s.a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

Barometer has risen about 0·05 on E. coast.

H.C. RUSSELL
GOVERNMENT ASTRONOMER

Stations.	Wt	M'x	Mn	R'in
Casino ...	c	84	52	0
Tent'field	b	79	59	0
Clarence.	b	87	61	0
Moree....	b	90	66	0
Grafton..	c	85	60	0
Gl'n Inn's	b	83	55	0·28
Inverell..	b	82	56	0
Bourke ..	c	92	74	0
Narrabri	b	97	51	0
Armidale	b	72	64	0
B'ndem'r.	b	73	43	0
Gunned'h	c	95	65	0
Cnamble	–	–	–	–
Lismore..	c	84	60	0
Walcha..	c	70	70	0·02
Tamw'rth	–	–	–	–
Coonab'n	c	90	55	0·12
P.M'cquie	b	81	59	0
W'lcannia	c	–	–	0
M'rr'mdi	b	81	63	0
Taree....	c	83	58	0
Cassilis ..	b	80	63	0
M'ss'lbr'k	c	85	62	0
Dubbo. ..	c	95	62	0
Menindie.	g	87	68	0
Singleton	b	80	66	0
N'le'n's B	c	87	61	0
13 77				
Mudg	c	92	55	0
Maitland.	c	80	64	0
Hill End.	u	–	–	0·28
N'wcastle	b	74	62	0
Orange ..	g	81	50	0
Bathurst	g	83	52	0·20
Forbes. ..	c	95	63	0
M.V'ct'ria	g	63	51	0·11
Carcoar..	g	78	58	0
Cond'b'l'n	g	76	62	0
Marsdens	b	91	62	0
Picton. ..	d	66	59	0·01
Sydney ..	g	69	59	0·10
Wentw'th	p	89	64	0
Young. ..	g	95	57	0
Woll'g'ng	g	71	53	0·05
Taralga..	g	72	50	0·12
Hay.....	u	88	61	0

Stations.	Wt	M'x	Mn	R'in
Moss V'l	g	62	52	0·02
Euston	u	95	56	0
G'lb'rn	g	61	52	0
Wagga.	g	95	58	0
C. Geo.	d	64	56	0·09

Stations.	Wt	M'x	Mn	R'in
Queanbey'n	g	61	58	0
Deniliquin.	b	92	56	0
Moruya....	g	70	59	0
Kiandra...	c	75	45	0·22
Albury	g	73	61	0
Bodalla....	g	69	56	0
Cooma	c	63	51	0·01
Eden.....	u	69	59	0·03

R

METEOROLOGY.

9 A.M. NOV. 15 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·31*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to October 31 ..44·963
Total Rainfall from Jan. 1st to November 15 41·430
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	wt	M'x	MN	R in
Casino ...	c	83	53	0
T'nt'rfield	c	60	51	0
Clarence.	b	82	62	0
Moree....	b	88	64	0
Grafton...	c	85	61	0
Gl'n Inn's	b	83	51	0
Inverell..	b	81	59	0
Bourke ..	u	101	78	0
Narrabri	b	97	50	0
Armidale	b	73	63	
E'ndem'r.	b	75	52	0
Gunned'h	c	96	70	0·02
C'namble	u	—	—	0
Lismore..	c	84	60	0
Walcha..	b	78	49	0
Tamw'rth	b	89	62	0
Coonab'n	c	91	57	0
P.M'cqrie	b	80	64	0
W'lcannia	u	—	—	0·45
M'rr'r'ndi	c	84	63	0
Taree....	b	84	60	0
Cassilis ..	b	79	63	0
M'ss'lbr'k	b	92	63	0
Dubbo. ..	b	93	63	0·01
Menindie.	u	94	66	0·21
Singleton	b	80	61	0
N'ls'n's B	b	78	63	0
28 60 Mudg	b	86	56	0
Maitland.	b	84	62	0
Hill End.	b	—	—	0
N'wcastle	b	78	64	0
Orange ..	c	80	56	0
Bathurst	c	79	54	0
Forbes. ..	c	95	63	0
M.V'ct'ria	b	75	64	0
Carcoar..	b	75	62	0
Cond'b'l'n	u	77	64	0·06
Marsdens	c	90	79	0·03
Picton. ..	c	80	58	0·01
Sydney ..	c	75	64	0
Wentw'th	q	93	68	0·06
Young. ..	g	89	56	0·31
Woll'g'ng	b	79	53	0
Taralga..	b	76	40	0
Hay	u	90	67	0·05

Stations.	wt	M'x	MN	R'in
Qeaunbey'n	g	76	60	0·58
Deniliquin.	r	85	65	0·10
Moruya....	c	72	63	0·02
Kiandra...	c	72	48	0·30
Albury	u	83	70	0
Bodalla....	b	74	60	0·04
Cooma	g	78	54	0·05
Eden.....	c	69	65	0·07

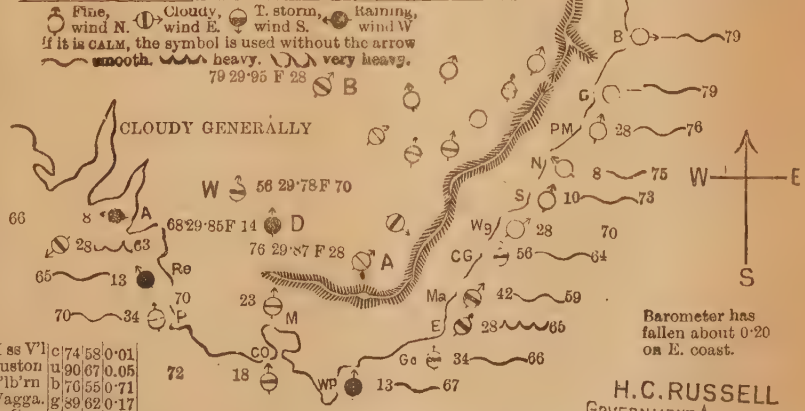
AS

Curve showing state of Barometer.

Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow

smooth. heavy. very heavy.



M ss V'l	c	74	58	0·01
Euston	u	90	67	0.05
G'lb'rn	b	76	55	0·71
Wagga.	g	89	62	0·17
C. Geo.	c	68	63	0·03

Barometer has fallen about 0·20 on E. coast.

H.C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. NOV. 17 1884

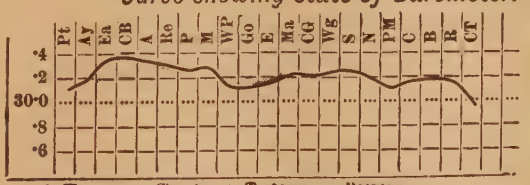
Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long.* 10*h.* 4*m.* 50·3*s.* *E.*

Average Annual Rainfall for 25 years .....50·421
Average for 26 years from Jan. 1st to October 31 ..44·963
Total Rainfall from Jan. 1st to November 17 42·063
Barometers corrected to 32° Fah and Mean Sea Level

AS

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow
smooth. heavy. very heavy.

65 29·94 F 0

CLOUDY GENERALLY

W 28 30·45 R 62

61 30·36 R— D

59 30·15 R 0 A

TIME BALL
Drops at 1 p.m. S M T
r 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′87″ E.

Barometer has risen about 0·20 on E. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

Stations.	wt	m'x	Mn	R in
Casino ...	p	89	59	1·02
T'nt'rfield	u	81	51	0·61
Clarence .	g	79	61	0·89
Meree....	b	74	53	0·22
Grafton ..	u	85	58	0·29
Gl'n Inn's	u	84	52	0·76
Inverell ..	o	80	56	0·45
Bourke ..	b	84	52	0·15
Narrabri	c	92	45	0·70
Armidale	g	74	60	0·36
B'ndem'r.	b	63	48	0·40
Gunned'h	c	82	51	0·56
C'namble	b	—	—	0·60
Lismore..	c	84	66	0·37
Walcha ..	b	69	45	0·28
Tamw'rth	b	76	48	0·55
Coonab'n	b	72	40	0·97
P.M'cqrie	c	73	58	0·68
W'lcannia	b	—	—	0·70
M'rr'r'ndi	u	82	50	0·98
Taree....	b	85	57	0·22
Cassilis ..	b	88	65	0·63
M'ss'lbr'k	g	84	51	0·38
Dubbo...	b	73	43	0·65
Menindie.	–	—	—	–
Singleton	u	79	59	0·24
N'ls'n's B	g	72	59	0·30
8 66				
Mudg	b	63	37	0·56
Maitland.	u	89	58	0·30
Hill End.	b	—	—	0
N'wcastle	q	78	56	0·75
Orange ..	b	63	40	0·50
Bathurst	b	84	38	0·44
Forbes...	■	72	46	0·75
M.V'ct'ria	b	69	50	0·20
Carcoar..	b	77	46	0·70
Cond'b'l'n	b	60	45	0·74
Marsdens	b	81	53	0·88
Picton...	u	74	46	0·14
Sydney ..	g	76	56	0·63
Wentw'th	b	72	44	0·06
Young...	c	64	42	0·28
Woll'g'ng	b	78	43	0·22
Taralga..	b	76	38	0·22
Hay.....	b	77	41	1·10

Stations.	wt	m'x	Mn	R in
M ss V'l	c	70	46	0·19
Euston	c	71	46	0·13
G'lb'rn	b	57	39	0·07
Wagga.	b	80	42	0·81
C. Geo.	c	72	52	0·27

Stations.	wt	m'x	Mn	R in
Qeaunbey'n	b	79	46	0·06
Deniliquin.	b	88	44	1·10
Moruya....	b	83	48	0·21
Kiandra...	b	68	30	3·28
Albury	b	79	44	0·03
Bodalla....	b	80	43	0·33
Cooma	c	66	34	0·14
Eden.....	b	69	58	0

METEOROLOGY.

9 A.M. NOV. 18 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years ..... 50·491
Average for 26 years from Jan. 1st to October 31 .. 44·963
Total Rainfall from Jan. 1st to November 18 42·075
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	wt	M'x.	Mn	R'in
Casino ...	b	72	56	0·10
T'nt'rfield	b	69	38	0
Clarence..	c	75	59	0·14
Moree....	b	81	62	0
Grafton..	b	79	59	0
Gl'n Inn's	b	67	47	0·42
Inverell..	b	81	56	0
Bourke ..	b	80	55	0
Narrabri	b	90	43	0
Armidale	b	66	57	0
B'ndem'r.	b	63	45	0
Gunned'h	b	79	54	0
C'namble	b	—	—	0
Lismore..	c	69	62	0·16
Walcha ..	u	65	44	0
Tamw'rth	b	75	54	0
Coonab'n	b	74	45	0
P.M'cqrie	b	71	53	0·04
W'lcannia	b	—	—	—
M'rr'r'ndi	u	69	51	0
Taree....	c	71	54	0·04
Cassilis ..	b	68	53	0
M'ss'lbr'k	b	74	50	0
Dubbo. ..	b	78	53	0
Menindie.	b	94	53	0
Singleton	b	72	57	0
N'ls'n's Pk	g	72	51	0·01
8 71				
Mudg	b	80	68	0
Maitland.	g	70	54	0·28
Hill End .	c	—	—	—
N'wcastle	b	71	55	0
Orange ..	b	68	44	0
Bathurst	c	72	44	0
Forbes...	b	84	51	0
M. V'ct'ria	c	69	54	0
Carcoar..	b	68	55	0
Cond'b'l'n	b	65	51	0
Marsdens	b	71	58	0
Picton...	c	71	51	0
Sydney...	c	67	56	0·01
Wentw'th	b	79	53	0
Young. ..	b	79	48	0
Wolf'g'ng	b	73	42	0
Taralga..	b	78	50	0
Hay.....	b	78	51	0

M ss V'l	b	69	50	0
Euston	b	81	44	0
G'lb'rn	b	76	44	0
Wagga.	b	78	47	0
C. Geo.	c	68	54	0·13

Stations.	w't	M'x.	Mn	R'in
Qeaunbey'n	b	70	54	0
Deniliquin.	b	73	48	0
Moruya....	g	78	58	0
Kiandra...	b	69	40	0
Albury	b	76	49	0
Bodalla....	g	73	54	0
Cooma	b	71	44	0
Eden.....	b	73	64	0

AS

Curve showing state of Barometer.

Pt Ay Ea CB A Re P M WP Go E Ma CG Wg S N PM C B R CT

30·4 · 30·2 · 30·0 · 29·8 · 29·6

Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow
smooth. heavy. very heavy.

74 30·10 R 28

FINE GENERALLY

W 14 30·31 F 72

66 0 A 68 30·27 F 0 D

0 58 Re

61 13 64

63 8 P

58 30·05 F 14 A

8 M

60 CO

WP 13 58

Go 0 64

Ma 28 68

E 0 65

CG 28 59

Wg 14 67

S 4 65

N 8 68

PM 28 68

C 42 67

B 72

R 74

TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

W E S

Barometer has fallen about 0·08 on S. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

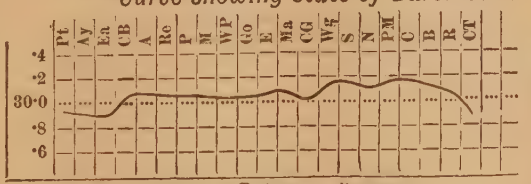
9 A.M. NOV. 19 1884

Sydney Observatory.

Lat. 33° 51′ 41″ S.; *Long.* 10*h.* 4*m.* 50·2*s.* E.

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to October 31 ..44·963
Total Rainfall from Jan. 1st to November 19 42·076
Barometers corrected to 32° Fah and Mean Sea Level

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow
smooth. heavy. very heavy.

Stations.	wt	M'x	Mn	R in
Casino ...	b	77	50	0
Tnt'rfield	c	73	45	0
Clarence.	g	83	59	0
Moree....	b	88	60	0
Grafton..	g	83	60	0
Gl'n Inn's	b	77	46	0
Inverell..	b	77	53	0
Bourke ..	b	92	61	0
Narrabri	b	89	42	0
Armidale	b	66	58	0
B'ndem'r.	b	70	46	0
Gunned'h	b	84	54	0
C'namble	b	—	—	0
Lismore..	c	77	56	0
Walcha ..	b	65	41	0
Tamw'rth	b	78	54	0
Coonab'n	b	79	45	0
P.M'cqrie	c	75	56	0
W'lcannia	b	—	—	0
M'rr'r'ndi	c	71	51	0
Taree....	b	76	55	0
Cassilis ..	b	72	53	0
M'ss'lbr'k	b	80	51	0
Dubbo....	b	81	53	0
Menindie.	c	94	57	0
Singleton	b	74	54	0
N'ls'n's B	c	83	54	0
8 83				
Mudg	b	83	47	0
Maitland.	b	76	55	0
Hill End.	b	—	—	0
N'wcastle	b	73	57	0
Orange ..	b	70	45	0
Bathurst	b	72	43	0
Forbes...	b	85	53	0
M.V'ct'ria	b	72	58	0
Carcoar..	b	71	52	0
Cond'b'l'n	b	71	51	0
Marsdens	b	81	61	0
Picton....	b	74	44	0
Sydney ..	b	71	55	0
Wentw'th	c	83	56	0
Young....	b	82	49	0
Woll'g'ng	b	76	45	0
Taralga..	b	73	42	0
Hay.....	c	82	56	0

Stations.	wt	M'x	Mn	R'in
Qeaunbey'n	b	73	53	0
Deniliquin.	b	81	51	0
Moruya....	b	78	53	0
Kiandra...	b	70	33	0
Albury	b	81	51	0
Bodalla....	b	75	47	0
Cooma	b	77	42	0
Eden.....	–	—	—	–

M ss V'l	b	71	50	0
Euston	c	89	50	0
G'lb'rn	b	75	45	0
Wagga.	b	79	54	0
C. Geo.	b	69	51	0

FINE GENERALLY

W 14 30·04 F 75
75 30·14 F 0
65 30·04 F 0
78 30·02 F 14

TIME BALL
Drops at 1 p.m. S M T
r 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

Barometer has fallen about 0·15 on E coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

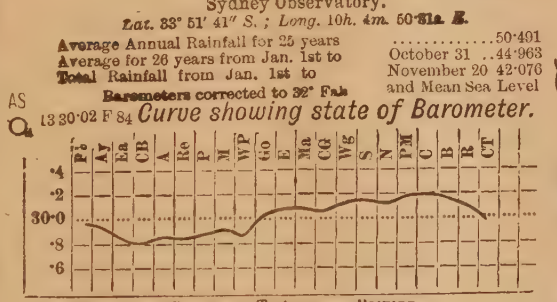
9 A.M. NOV. 20 1924

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to October 31 ..44·963
Total Rainfall from Jan. 1st to November 20 42·076
Barometers corrected to 32° Fah and Mean Sea Level

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow
smooth. heavy. very heavy.

Stations.	wt	M'x	Mn	R in
Casino ...	b	81	55	0
T'nt'rfield	b	79	46	0
Clarence ..	c	85	58	0
Moree....	b	88	62	0
Grafton..	b	85	63	0
Gl'n Inn's	b	81	50	0
Inverell..	b	77	55	0
Bourke ..	b	97	66	0
Narrabri	b	90	43	0
Armidale	b	90	44	0
B'ndem'r.	b	74	48	0
Gunned'h	b	89	64	0
C'namble	b	—	—	0
Lismore..	-	—	—	—
Walcha ..	b	74	48	0
Tamw'rth	b	82	55	0
Coonab'n	b	83	46	0
P.M'cqrie	b	76	52	0
W'lcannia	b	—	—	0
M'rr'r'ndi	b	76	53	0
Taree....	b	78	51	0
Cassilis ..	b	76	56	0
M'ss'lbr'k	b	85	54	0
Dubbo. ..	b	89	58	0
Menindie.	b	82	63	0
Singleton	b	79	57	0
N'ls'n'sB	b	81	71	0
28 75 Mudg	b	88	51	0
Maitland.	b	80	52	0
Hill End .	b	—	—	0
N'wcastle	b	77	61	0
Orange ..	c	71	48	0
Bathurst	b	80	42	0
Forbes...	-	—	—	—
M. V'ct'ria	b	77	61	0
Carcoar..	b	75	56	0
Cond'b'l'n	b	77	58	0
Marsdens	b	85	65	0
Picton...	b	80	49	0
Sydney ..	c	72	58	0
Wentw'th	b	95	59	0
Young...	b	89	53	0
Woll'g'ng	b	77	43	0
Taralga..	b	79	48	0
Hay	b	80	63	0

Stations.	wt	M'x	Mn	R'in
Queanbey'n	b	77	56	0
Deniliquin.	b	92	56	0
Moruya....	c	78	55	0
Kiandra...	c	75	35	0
Albury	b	82	57	0
Bodalla....	b	78	48	0
Cooma	c	85	44	0
Eden.....	c	74	69	0

M ss V'l	c	81	53	0
Euston	b	98	52	0
G'lb'rn	b	83	48	0
Wagga.	b	91	49	0
C. Geo.	b	69	60	0

FINE GENERALLY

TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

Barometer has fallen about 0·10 on S coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. NOV. 21 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long.* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to October 31 ..44·963
Total Rainfall from Jan. 1st to November 21 42·078
Barometers corrected to 32° Fah and Mean Sea Level

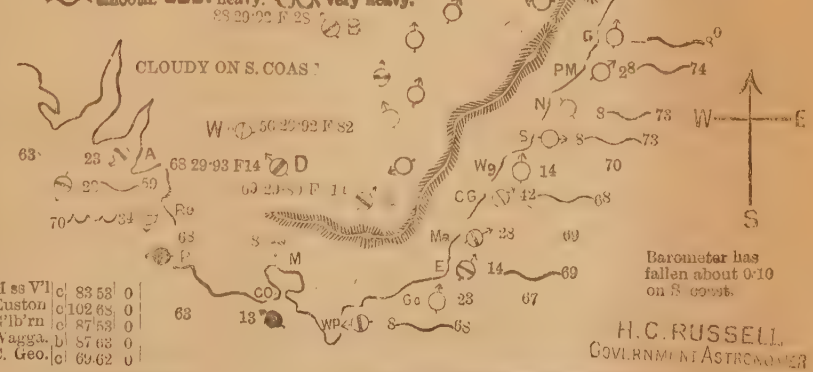
Stations.	wt	M'x	Mn	R in
Casino...	b	85 54		0
T'nt'rfield	b	83 43		0
Clarence.	c	87 63		0
Moree....	b	90 66		0
Grafton..	b	87 66		0
Gl'n Inn's	b	78 34		0
Inverell..	b	80 59		0
Bourke ..	g	102 71		0
Narrabri	b	99 49		0
Armidale	b	74 61		0
B'ndem'r.	b	76 39		0
Gunned'h	b	93 64		0
C'namble	b	— —		0
Lismore..	b	64 57		0
Walcha..	b	77 52		0
Tamw'rth	b	87 68		0
Coonab'n	b	89 50		0
P.M'cqrie	b	77 61		0
W'lcannia	b	— —		0
M'rr'r'ndi	b	79 58		0
Taree....	b	81 50		0
Cassilis ..	b	81 58		0
M'ss'lbr'k	b	90 52		0
Dubbo. ..	b	97 67		0
Menindie.	u	93 72		0
Singleton	b	82 61		0
N'ls'n's P	b	86 62		0
13 64				
Mudg	b	91 50		0
Maitland.	b	82 67		0
Hill End..	b	— —		0
N'wcastle	b	76 62		0
Orange ..	—	— —		—
Bathurst	c	84 49		0
Forbes...	c	88 67		0
M. V'ct'ria	b	81 76		0
Carcoar..	b	76 58		0
Cond'b'rn	b	81 64		0
Marsdens	b	91 71		0
Picton...	b	83 50		0
Sydney...	b	74 62		0
Wentw'th	g	102 64		0
Young....	c	92 59		0
Woll'g'ng	b	76 43		0
Taralga..	b	76 40		0
Hay.....	—	— —		—

Stations.	wt	M'x	Mn	R'in
Queanbey'n	b	82	59	0
Deniliquin.	r	99	65	0·11
Moruya....	c	77	—	0
Kiandra....	c	75	40	0
Albury	c	94	61	0
Bodalla....	b	79	48	0
Coomia	c	87	45	0
Eden.....	c	75	69	0

Stations.	wt	M'x	Mn	R in
M ss V'l	c	83 58		0
Euston	c	102 68		0
G'lb'rn	c	87 53		0
Wagga..	b	87 63		0
C. Geo.	c	69 62		0

13 30·04 R 91 *Curve showing state of Barometer.*

Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow
smooth. heavy. very heavy.


CLOUDY ON S. COAST
TIME BALL
Drops at 1 p.m. S M T
r 2h. 55m. 9·10s. a.m.
Greenwich Mn Time
MAG. VAR. 9°35′37″ E.
Barometer has fallen about 0·10 on S coast.
H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. NOV. 22 1884

Sydney Observatory.

[illegible] 4m. [illegible] E.

Average [illegible] .....50·491

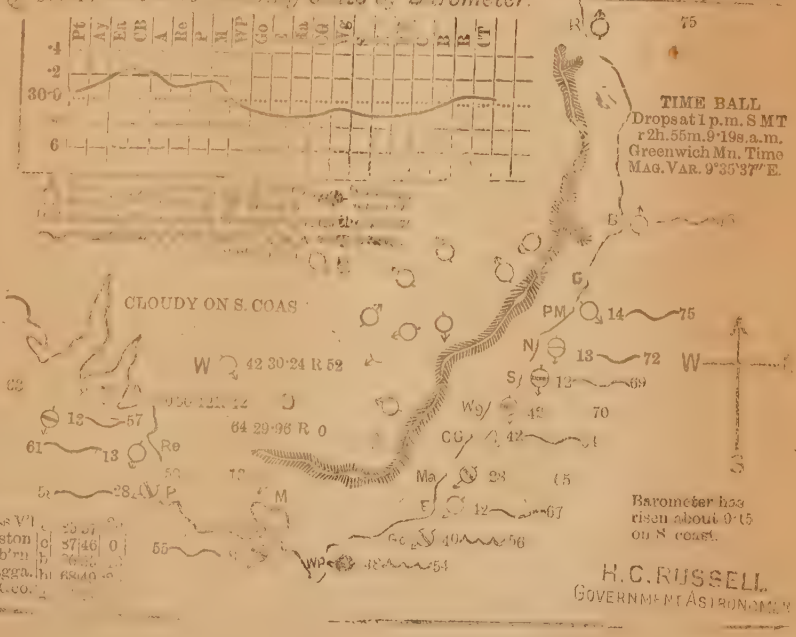
Average for [illegible] 31 ..44·963

Total Rainfall [illegible] 22 42 [illegible]

[illegible] Sea Level

Stations.	wt	m'x	mn	R in
Casino...	b	[illegible]	58	0
T'nt'rfield	c	[illegible]	76	0
Clarence.	-	--	--	-
Morse....	b	[illegible]	68	0
Grafton...	c	91	67	0
Glen Inn's	c	[illegible]	55	[illegible]
Inverell..	-	--	--	
Bourke..	b	96	64	0·41
Narrabri	b	95	42	[illegible]
Armidale	b	[illegible]	[illegible]	[illegible]
B'ndem'r.	b	81	60	0
Gunned'h	b	91	67	0
C'namble	b	--	--	0·09
Lismore..	b	88	61	0
Walcha..	b	79	55	0
Tamw'rth.	b	92	64	0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
P.M'cqrie	b	80	64	0
W'lcannia	b	--	--	--
M'rr'r'ndi	c	84	67	0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
M'ss'll'r'k	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	-	-	-	[illegible]
[illegible]	b	[illegible]	50	[illegible]
[illegible]	b	91	70	0
N'ls'n's B	c	88	67	0·06
13 65				
Mudg	b	89	56	0·12
Maitland.	g	92	70	0
Hill End.	b	--	--	0·25
N'wcastle	c	81	69	0
Orange..	c	82	57	[illegible]
Bathurst	c	86	55	[illegible]
Forbes...	b	92	57	0·26
M.V'ct'ria	b	82	62	0
Carcoar..	g	76	61	0·25
Cond'b'l'n	b	66	54	0·24
Marsdens	b	87	63	0·22
Picton...	c	88	[illegible]	0·10
Sydney..	c	78	[illegible]	[illegible]
Wentw'th	b	82	[illegible]	[illegible]
Young...	b	92	55	0·32
Woll'g'ng	g	76	--	0·19
Taralga..	b	79	50	0·20
Hay.....	b	102	[illegible]	0

Stations.	wt	m'x	mn	R'in
Queanbey'n	b	82	57	0·23
Deniliquin.	b	81	48	0·09
Moruya....	c	88	57	0·01
Kandra....	b	71	43	1·38
Albury.....	b	82	51	0·27
Bodella....	b	90	50	0·06
Cooma.....	c	83	47	0·33
Eden.....	c	76	55	0·48



METEOROLOGY.

NOV. 24 1884

9 A.M.

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to October 31 ..44·963
Total Rainfall from Jan. 1st to November 24 42·4 3
Barometers corrected to 32° Fah and Mean Sea Level

Curve showing state of Barometer.

Stations.	wt	M'x	Mn	R in
Casino ...	c	78	62	0·20
T'nt'rfield	u	86	46	0·35
Clarence.	b	75	65	0
Moree....	b	95	69	0
Grafton..	g	87	63	0
Grafton's	u	84	58	0·37
Inverell..	u	85	59	0
Bourke ..	c	95	77	0
Narrabri	c	98	71	0
Armidale	b	74	62	0·84
B'ndem'r.	c	75	53	0
Gunned'h	b	91	66	0
C'namble	b	—	—	0
Lismore..	c	72	67	0·03
Wardha ..	c	85	51	0·31
Inverw'rth	b	87	58	0
[illegible]	g	88	58	0
P. Macq.	b	74	61	0·02
[illegible]	—	—	—	—
[illegible]	c	80	60	0
[illegible]	b	77	61	0·32
[illegible]	b	77	61	0
[illegible]	b	80	62	0·32
[illegible]	b	77	61	0
Mennure.	b	82	61	0
Singleton	—	—	—	—
[illegible]	b	82	61	0
23 65				
[illegible]	b	81	57	0
Maitland.	b	83	59	0
[illegible]	—	—	—	—
N'wcastle	b	73	60	0
[illegible]	b	76	—	—
Bathurst	—	—	—	—
[illegible]	b	77	53	0
[illegible]	b	77	53	0
Carcoar..	b	76	56	0
Cond'b'l'n	b	71	54	0
[illegible]	b	85	57	0
[illegible]	b	78	56	0
[illegible]	b	78	56	0
[illegible]	b	81	58	0
[illegible]	b	81	58	0
Young....	—	—	—	—
[illegible]	b	77	—	0
Temora..	—	—	—	—
[illegible]	b	82	48	0
Enston	b	88	55	0
[illegible]	—	—	—	—
Wagga.	b	87	46	0
C. Geo.	b	71	57	0

Stations.	w't	M'x.	Mn	R'in
Qeaunbey'n	b	74	52	0
Deniliquin.	b	84	47	0
Moruya....	b	73	54	0·13
Kiandra...	b	75	40	0
Albury	b	83	49	0
Bodalla....	b	75	46	0
Cooma	g	82	47	0
Eden.....	b	67	54	0

Fine, wind N. Cloudy, wind E. T storm, wind S. Raining, wind W.
When in a calm, the symbol is used without the arrow
Fog. Mist. Dew. Hail. Snow. Thunder. Lightning. heavy very heavy.

RAIN ON S. COAS

TIME BALL
Drops at 1 p.m. S MT
= 2h. 55m. 9·19s. a.m. Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

Barometer has fall en about 0·10 on S coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. NOV. 25 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long.* 10*h.* 4*m.* 50·21*s. E.*

Average Annual Rainfall for 25 years ..... 50·491
Average for 26 years from Jan. 1st to October 31 ... 44·963
Total Rainfall from Jan. 1st to November 25 4·128
Barometers corrected to 32° Fah and M.S.L. Sea Level

AS 13 30·16 R 61

Curve showing state of Barometer.

Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W
If it is CALM, the symbol is used without the arrow
smooth. heavy. very heavy.

RAIN ON S. COAS

7 29·93 R 14

W 42 30·26 R 54

60 29·97 R 14

TIME BALL
(Dropsat 1 p.m. S.M.T.
12h.55m.0·0s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

Barometer has risen about 0·20 on E coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

Stations.	Wt	M'x	Mn	R in.
Casino ...	b	86	63	0
T'nt'rfield	h	85	59	0
Clarence .	c	78	66	0
Moree....	b	92	70	0
Grafton ..	c	80	64	0
Gl'n Inn's	–	—	—	—
Inverell ..	o	82	66	0
Bourke ..	b	90	64	0
Narrabri	b	99	73	0
Armidale	b	73	63	0
B'ndem'r.	g	79	55	0
Gunned'h	c	93	63	0
C'namble	b	—	—	0
Liemore..	–	—	—	—
Walcha ..	e	72	59	0
Tamw'rth	b	88	59	0
Coonab'n.	b	91	56	0
P.M'cqrie	c	75	63	0
W'lcannia	–	—	—	—
M'rr'r'ndi	g	84	63	0
Taree....	r	84	64	0·08
Cassilis ..	b	86	61	0
M'ss'lbr'k	c	97	63	0
Dubbo. ..	b	96	56	0
Menindie.	b	84	57	0
Singleton	b	90	65	0
N'ls'n's B	c	78	67	0·01
23 67				
Mudg	b	90	52	0
Maitland.	c	91	61	0
Hill End .	b	—	—	0
N'wcastle	c	79	64	0·01
Orange ..	c	78	51	0
Bathurst	g	83	48	0
Forbes. ..	c	65	53	0
M. V'ct'ria	g	82	50	0
Carcoar..	g	77	56	0
Cond'b'l'n	–	—	—	—
Marsdens	b	89	62	0
Picton. ..	u	88	57	0
Sydney ..	g	80	61	0·01
Wentw'th	c	83	49	0
Young. ..	c	81	49	0
Woll'g'ng	c	79	—	0
Taralga..	b	80	50	0
Hay	c	83	47	0

Stations.	Wt	M'x	Mn	R in.
Queanbey'n	b	79	55	0
Deniliquin .	–	—	—	—
Moruya....	g	78	55	0
Kiandra...	b	74	37	0
Albury	b	82	48	0
Bodalla....	b	85	52	0
Cooma	b	80	44	0
Eden.....	c	74	50	0

M ss V'l	u	92	52	0
Euston	c	84	48	0
G'lb'rn	c	84	52	0
Wagga.	b	72	45	0
C. Geo.	g	74	56	0

METEOROLOGY.

9 A.M. NOV. 26 1884

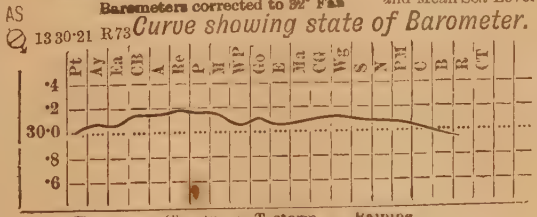
Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

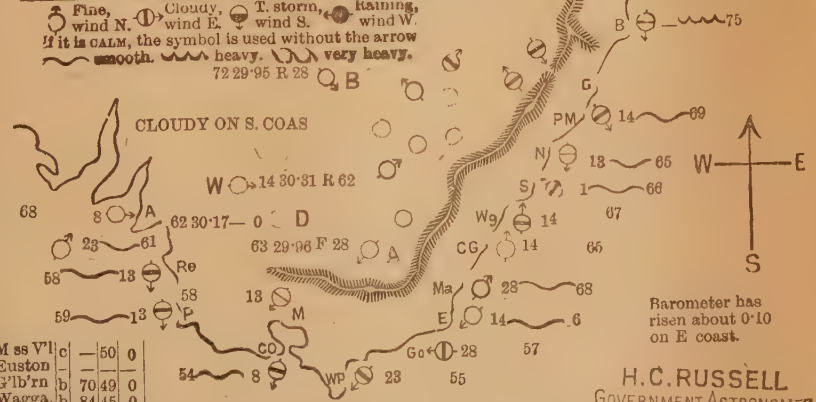
Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to October 31 ..44·963
Total Rainfall from Jan. 1st to November 26 42·428
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	wt	M'x	Mn	R in
Casino...	g	89	62	0·18
T'nt'rfield	u	80	54	0·24
Clarence.	-	—	—	—
Moree....	c	97	66	0
Grafton..	g	82	62	0·45
Gl'n Inn's	u	84	54	1·32
Inverell..	b	85	60	0
Bourke..	c	91	58	0
Narrabri	c	100	54	0
Armidale	b	72	59	0·56
B'ndem'r.	b	89	43	0
Gunned'h	c	93	62	0
C'namble	b	—	—	0
Lismore..	c	85	67	0·09
Walcha..	u	73	51	0·47
Tamw'rth	b	91	59	0
Coonab'n	c	91	52	0
P.M'cqrie	c	74	60	0
W'lcannia	b	—	—	0
M'rr'r'ndi	c	77	56	0
Taree....	o	78	58	0·11
Cassilis..	g	78	60	0
M'ss'lbr'k	b	82	53	0
Dubbo...	b	87	54	0
Menindie.	b	75	54	0
Singleton	c	77	61	0
N'ls'n's B	g	75	57	0·11
13 71 Mudg	b	89	50	0
Maitland.	c	75	60	0
Hill End.	b	—	—	0
N'wcastle	c	70	59	0·07
Orange..	b	76	49	0
Bathurst	c	79	45	0
Forbes...	b	89	49	0
M.V'ct'ria	c	74	50	0
Carcoar..	b	71	56	0
Cond'b'l'n	b	66	51	0
Marsdens	b	76	60	0
Picton...	o	68	56	0
Sydney..	g	67	59	0
Wentw'th	b	78	51	0
Young...	b	75	60	0
Woll'g'ng	c	72	—	0
Taralga..	b	79	45	0
Hay.....	b	77	49	0

Stations.	wt	M'x	Mn	R'in
Qeaunbey'n	b	75	54	0
Deniliquin.	b	72	46	0
Moruya....	c	79	54	0
Kiandra...	b	72	31	0
Albury....	b	74	41	0
Bodalla....	b	71	47	0
Cooma....	c	71	42	0
Eden.....	c	69	53	0



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow
smooth. heavy. very heavy.



M ss V'l	c	—	50	0
Euston	-	—	—	—
G'lb'rn	b	70	49	0
Wagga.	b	84	45	0
C. Geo.	c	68	55	0

Barometer has risen about 0·10 on E coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

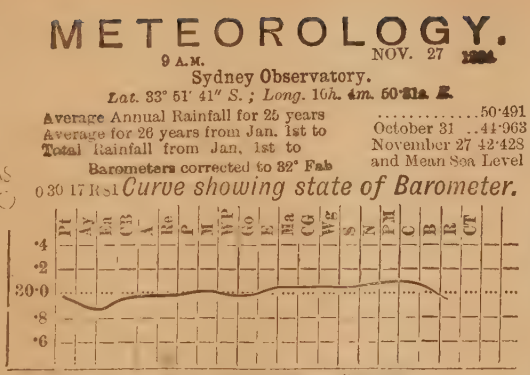
9 A.M. NOV. 27 1884.

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to October 31 ..44·963
Total Rainfall from Jan. 1st to November 27 42·428
Barometers corrected to 32° Fah and Mean Sea Level

0 30 17 Rs1 *Curve showing state of Barometer.*



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow
smooth heavy very heavy.

77 29·92 F 14

Stations.	Wt	M'x	Mn	R'in
Queanbeyan	–	—	—	—
Deniliquin	b	86	45	0
Moruya	g	75	57	0·14
Kiandra	b	73	31	0
Albury	b	84	50	0
Bodalla	g	76	56	0·10
Cooma	c	80	53	0
Eden	u	75	57	0

Stations.	Wt	M'x	Mn	R'in
Casino	–	—	—	—
T'nt'rfield	u	77	54	0
Clarence	g	82	46	0
Moree	g	88	66	0·20
Grafton	u	74	59	0
C'ff Inn's	r	77	52	0·12
Liverell	r	85	58	0·71
Bourke	b	92	59	0
Narrabri	b	95	54	0
Armidale	r	72	49	0·15
B'denf'r	g	60	44	0·02
Gunned'h	–	—	—	—
C'amble	b	–	–	0
Lismore	c	80	63	0
Walcha	u	67	56	0
Tamw'rth	c	87	59	0·33
Cocnab'n	c	88	55	0
P.M'cq'rie	c	74	63	0
W'leannia	–	—	—	—
M'rr'mdi	c	74	60	0
Taree	g	74	62	0·01
Cassilis	g	79	63	0
M'ss'br'k	b	85	59	0
Dubbo	c	92	—	0
Menindie	b	80	57	0
Singleton	b	78	62	0
N'ls'n's P	c	76	59	0
28 92				
Mudg	c	88	50	0·32
Maitland	b	81	62	0
Hill End	u	—	—	0
N'weastle	c	71	63	0
Orange	c	81	52	0
Bathurst	c	79	53	0
Forbes	b	86	55	0
M.V'ct'ria	b	81	61	0
Carcoar	b	72	63	0
Cond'b'l'n	b	73	55	0
Marsdens	b	85	65	0
Picton	c	78	54	0
Sydney	b	70	59	0
Wentw'th	b	85	53	0
Young	b	84	56	0
Wolf'ng	b	76	—	0
Taralga	b	80	60	0
Hay	b	81	51	0
M'ss V'l	c	76	54	0
Euston	b	87	53	0
G'lb'rn	b	84	52	0
Wagga	b	86	45	0
C. Geo.	c	75	57	03

CLOUDY GENERALLY

TIME BALL
Drops at 1 p.m. S MT
or 2h.55m.9·19s.a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

Barometer has fallen about 0·06 on S. coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

NOV. 28 1884

9 A.M.

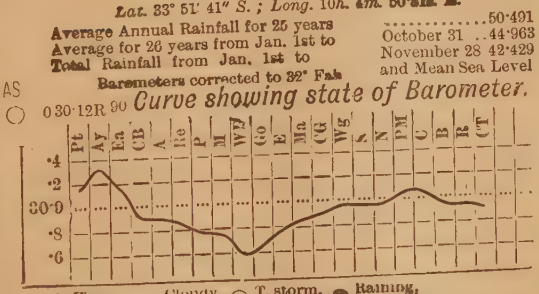
Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long.* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to October 31 ..44·963
Total Rainfall from Jan. 1st to November 28 42·429
and Mean Sea Level

Barometers corrected to 32° Fah.

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow
smooth. heavy. very heavy.

79 29·91 F — OB

CLOUDY GENERALLY

W 28 29·98 F 75

75 29·05 F 28 D

69 29·86 F 28 A

TIME BALL
Drops at 1 p.m. S M T
r 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

Barometer has fallen about 0·15 on S coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

Stations.	wt	M'x	Mn	R in
Casino ...	c	73	59	0·38
Tnt'rfield	u	68	48	0
Clarence.	b	80	62	0·16
Moree....	q	79	59	0·29
Grafton..	u	75	60	0·10
Gl'n Inn's	b	64	53	0·01
Inverell..	b	85	55	0
Bourke ..	b	94	64	0
Narrabri	b	92	50	0
Armidale	b	65	59	0
B'nden'r.	b	73	53	0·70
Gunned'h	b	90	60	0·39
C'hamble	b	—	—	0
Lismore..	c	71	64	0·52
Walcha...	c	67	52	0·04
Tamw'rth	b	85	55	0·70
Coonab'n	b	87	49	0·43
P.M'cqrie	b	77	60	0
W'leannia	—	—	—	—
M'rr'r'ndi	b	77	55	0·09
Tarce....	g	81	64	0
Cassilis ..	b	76	55	0·06
Muss'br'k	b	91	56	0
Dubbo. ..	b	85	53	0·26
Menindie.	c	88	63	0
Singleton	u	82	61	0
N'ls'n sB	b	80	62	0
13 C5				
Mudg'	b	77	46	0·25
Maitland..	g	85	61	0·09
Mill End .	b	—	—	0·46
N'wcastle	b	77	62	0·13
Orange ..	c	76	48	0·26
Bathurst	b	81	47	0·41
Forbes...	b	88	51	0
M.V'ct'ria	b	82	63	0·60
Carcoar..	b	74	61	0·27
Cond'b'rn	b	75	56	0
Marsdens	b	87	65	0
Picton...	c	81	57	0·14
Sydney ..	c	77	61	0
Wentw'th	g	96	60	0
Young. ..	b	91	52	0
Woll'g'ng	p	78	—	0
Taralga..	b	89	38	0
Hay	c	87	63	0

Stations.	wt	M'x	Mn	R in
Queanbey'n	b	71	56	0
Deniliquin	u	88	58	0
Moruya....	c	77	56	0
Kiandra...	c	74	30	0
Albury	u	87	54	0
Bodalla....	b	77	49	0
Cooma	c	85	44	0
Eden.....	c	72	68	0

M ss V'l	c	82	55	·18
Euston	u	96	54	0
G'lb'rn	b	78	48	·17
Wagga.	c	82	49	0
C. Geo.	b	75	61	0

METEOROLOGY.

9 A.M. NOV. 29 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to October 31 ..44·963
Total Rainfall from Jan. 1st to November 29 42·460
and Mean Sea Level

Barometers corrected to 32° Fah

Stations.	Wt	M'x	Mn	R'in
Casino ...	—	—	—	—
T'nt'rfield	b	83	54	0
Clarence.	c	82	61	0
Moree....	g	87	62	0
Grafton..	c	80	62	0
Gl'n Inn's	b	76	52	0
Inverell..	o	89	56	0
Bourke ..	u	104	72	0
Narrabri	g	90	58	0
Armidale	c	71	61	.0
B'nden'r.	g	68	52	0
Gunned'h	c	89	65	0
C'namble	—	—	—	—
Lismore..	—	—	—	—
Walcha ..	b	75	49	0
Tam'w'rth	c	83	58	0
Coonab'n	g	88	57	0
P.M'cqrie	g	76	60	0
W'lcannia	c	—	—	—
M'rr'r'ndi	o	79	55	0
Taree....	g	81	58	0
Cassilis ..	—	—	—	—
M'ss'lbr'k	g	96	67	0
Dubbo....	o	91	65	0
Menindie.	b	98	57	0
Singleton	g	85	66	0
N'ls'n sB	u	76	61	0
18 24				
Mudg'	u	86	56	0
Maitland.	u	86	66	0
Hill End.	g	—	—	0
N'wcastle	c	73	64	0
Orange ..	c	78	58	0
Bathurst	u	81	59	0
Forbes...	g	82	53	0
M.V'ct'ria	r	72	57	0
Carcoar..	g	75	61	0·02
Cond'b'l'n	c	63	51	0
Marsdens	—	—	—	—
Picton...	u	85	62	0
Sydney ..	p	75	61	0·03
Wentw'th	c	89	50	0
Young....	—	—	—	—
Woll'g'ng	p	76	—	0·02
Taralga..	b	80	49	0
Hay.....	c	87	48	0·10

Stations.	Wt	M'x	Mn	R'in
Queanbey'n	b	81	60	0
Deniliquin	b	82	44	0·09
Moruya....	r	78	55	0·03
Kiandra...	c	70	44	0·35
Albury	b	75	50	0·18
Bodalla....	g	84	54	0·09
Cooma	c	82	45	0·06
Eden.....	b	75	54	0·01

M ss V'l r 82 55 0
Euston c 88 49 0
G'lb'rn b 82 57 0
Wagga. c 91 47 ·07
C. Geo. c 66 55 ·05

Curve showing state of Barometer.

13 30·13 R 85

Pt	Av	Ea	CB	A	Re	P	M	WP	Go	E	Ma	CG	Wg	S	N	PM	C	B	R	CT
·4																				
·2																				
30·0																				
·8																				
·6																				

Fine, wind N — Cloudy, wind E — T. storm, wind S. — Raining, wind W

If it is CALM, the symbol is used without the arrow

smooth — heavy — very heavy.

72 29·84 F 14

CLOUDY GENERALLY

W 56 30·17 R 60

58 29·98 R 28

60 29·88 R 14

TIME BALL
Drops at 1 p.m. S M T
r 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

Barometer has fallen about 0·15 on E coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. DEC'R 1

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long.* 10*h.* 4*m.* 50·91*s.* *E.*

Average Annual Rainfall for 25 years ..... 50·491
Average for 26 [illegible]s from Jan. 1st to November 30 48·129
Total Rainfall from Jan. 1st to December 1 42·811
Barometers corrected to 32° Fah and Mean Sea Level

AS 13 29·94 F92 *Curve showing state of Barometer.*

Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow
smooth. heavy. very heavy.

72 29·92 R 28

CLOUDY GENERALLY

W 42 29·91 F 69

70 29·96 F14 D

60 29·94 R 14 A

Barometer has risen about 0·25 on E coast.

TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

Stations.	wt	M'x	Mn	R'in
Casino ...	c	82	58	0·13
T'nt'rfield	u	84	57	0·14
Clarence .	g	80	60	0·16
Moree....	b	85	60	0
Grafton ..	g	84	60	0
Gl'n Inn's	c	82	51	0
Inverell..	b	84	53	0
Bourke ..	b	88	56	0
Narrabri	b	86	49	0
Armidale	b	70	60	0
B'ndem'r.	b	74	48	0
Gunned'h	b	86	58	0
C'hamble	b	—	—	0
Lismore..	c	74	63	0
Walcha ..	c	73	45	0·12
Tamw'rth	b	79	53	0
Coonab'n	c	80	41	0
P.M'cqrie	b	73	52	0
W'lcannia	b	—	—	0
M'rr'r'ndi	b	74	56	0
Taree....	–	—	—	—
Cassilis ..	b	77	52	0
M'ss'lbr'k	b	78	48	0·10
Dubbo....	b	83	53	0
Menindie.	g	70	59	0
Singleton	–	—	—	—
N'ls'n sB	c	80	51	0
13 64 Mudg	b	84	40	0
Maitland.	b	77	51	0
Hill End.	b	—	—	0
N'wcastle	b	70	54	0
Orange ..	b	66	43	0
Bathurst	b	81	41	0
Forbes...	b	80	51	0
M.V'ct'ria	b	69	51	0
Carcoar..	b	71	47	0
Cond'b'l'n	g	68	46	0
Marsdens	c	78	56	0
Picton...	c	69	54	0
Sydney...	c	67	58	0·35
Wentw'th	g	84	48	0
Young....	c	80	47	0
Woll'g'ng	b	71	55	0
Taralga..	b	79	48	0
Hay.....	c	—	—	0

Stations.	wt	M'x	Mn	R'in
Queanbey'n	b	68	45	0
Deniliquin.	g	80	41	0
Moruya....	c	70	58	0
Kiandra...	c	65	29	0
Albury	u	75	41	0
Bodalla....	c	75	40	0·40
Cooma	c	67	39	0·16
Eden.....	c	68	48	0

M'ss V't'r	c	68	51	0
Euston	b	84	58	0
G'lb'rn	b	75	44	0
Wagga.	g	79	41	0
C. Geo.	c	66	51	0

METEOROLOGY.

9 A.M. DEC'R 2 1884

Sydney Observatory,

Lat. 33° 51′ 41″ *S.*; *Long.* 10h. 4m. 50·81s. E.

Average Annual Rainfall for 25 years ..... 50·491
Average for 26 years from Jan. 1st to November 30 48·129
Total Rainfall from Jan. 1st to December 2 42·811
Barometers corrected to 32° Fah and Mean Sea Level

		60	0
[illegible]	c	82 54	0
Clarence	c	80 65	0
Moree	u	85 68	0
Grafton	b	82 62	0
G'n Inn's	b	88 54	0
Inverell	o	79 65	0
Lourdes	c	98 79	0
Narrabri	c	92 50	0
Armidale	c	70 61	0
B'nuem'r.	u	69 50	0
Gunned'h	g	88 62	0
C'namble	u	— —	0
Lismore	c	80 63	0
Walcha	c	74 49	0
Tamw'rth	c	84 56	0
Coonab'n	g	86 53	0
P.M'cqrie		— —	—
W'lcannia	b	— —	0
M'rr'r'ndi	o	76 58	0
Taree	g	77 55	0
Cassilis	-	— —	—
M'ss'lbr'k	g	86 55	0
Dubbo	g	88 56	0
Menindie	c	88 65	0
Singleton	u	76 55	0
N'ls'n s B	g	74 61	0
23 69 Mudg	u	80 48	0
Maitland	g	77 56	0
Hill End	p	78 55	0
N'wcastle	g	70 59	0
Orange	c	72 42	0·09
Bathurst	r	79 49	0·07
Forbes	c	87 49	0
M.V'ct'ria	u	— 42	0
Carcoar	p	71 61	0·03
Cond'b'l'n	u	77 59	0
Marsdens	c	84 66	0·04
Picton	o	73 54	0
Sydney	p	69 59	0
Wentw'th	b	94 60	0
Young	g	83 52	0
Woll'g'ng	g	74 50	0
Taralga	g	88 49	0
Hay	b	87 65	0

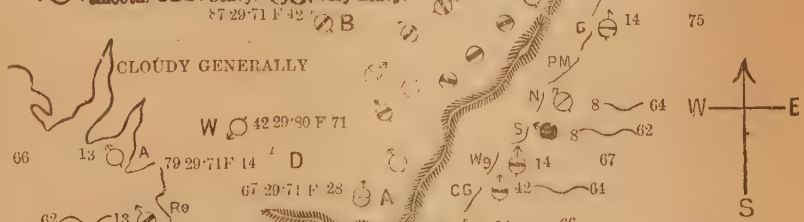
Stations.	W't	M'x	Mn	R'in
Queanbey'n	b	75·56		0
Deniliquin	b	88·65		0
Moruya	g	74 56		0
Kiandra	b	71 42		0
Albury	u	82 61		0
Bodalla	g	74 49		0
Cooma	c	89 50		0
Eden	u	70 50		0

13 30·03 R 80 *Curve showing state of Barometer.*

Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.

If it is CALM, the symbol is used without the arrow

smooth. heavy. very heavy.



M ss V'l	d	75 54	0
Euston	b	90 59	0
G'lb'rn	g	82 53	0
Wagga	g	90 41	0
C. Geo.	c	69 51	0

Barometer has fallen about 0·30 on E coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. DEC'R 3 1884

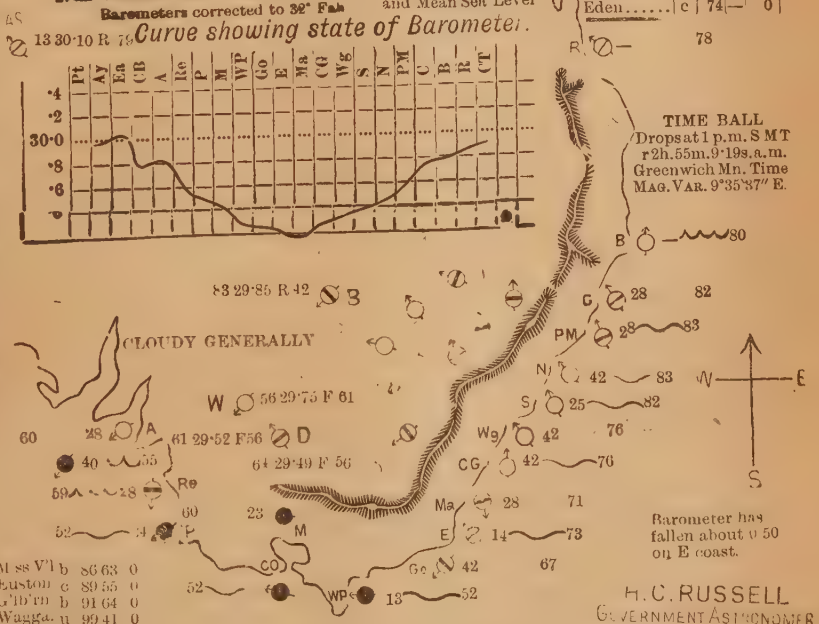
Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* E.

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to November 30 48·129
Total Rainfall from Jan. 1st to December 3 42 850
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	wt	M'x	Mn	R in
Casino ...	-	—	—	--
T'nt'rfield	-	—	—	--
Clarence .	c	89	65	0
Moree....	c	86	68	0
Grafton..	b	89	66	0
Gl'n Inn's	p	85	65	0
Inverell..	b	83	68	0·11
Bourke ..	c	99	74	0
Narrabri	b	94	43	0·42
Armidale	g	73	64	0
B'ndem'r.	g	73	51	0·04
Gunned'h'	c	88	64	0·08
C'namble	c	—	—	0
Lismore..	c	87	73	0
Walcha ..	b	75	62	0·02
Tamw'rth	g	86	68	0·05
Coonab'n	b	88	64	0·12
P.M'cqrie	u	84	64	0
W'lcannia	b	—	—	0
M'rr'r'ndi	u	81	61	0·13
Taree....	c	88	67	0·09
Cassilis ..	b	85	65	0
M'ss'lbr'k	b	93	64	0·06
Dubbo...	b	94	68	0·03
Menindie.	c	90	64	0
Singleton	b	88	64	0·25
N'ls'n sB	c	88	60	0
0 66				
Mudg	b	89	58	0·75
Maitland.	b	85	65	0
Hill End.	b	—	—	0·25
N'wcastle	b	84	63	0
Orange ..	c	81	60	0
Bathurst	b	86	52	0
Forbes.	b	89	49	0
M.V'ct'ria	b	—	69	0
Carcoar..	g	72	61	0
Cond'b'l'n	b	78	63	0
Marsdens	b	94	71	0
Picton..	b	83	59	0
Sydney ...	b	83	62	0·04
Wentw'th	c	91	58	0
Young...	c	90	67	0
Woll'g'ng	b	84	65	0
Taralga..	b	86	50	0
Hay.....	c	97	61	0

Stations.	wt	M'x	Mn	R'in
Qeaunbey'n	c	85	67	0
Deniliquin.	c	93	56	0
Moruya....	c	80	60	0
Kiandra...	g	72	51	0
Albury	u	93	61	0
Bodalla....	b	86	55	0
Cooma	g	88	50	0
Eden.....	c	74	—	0



M ss V'l	b	86 63	0
Euston	c	89 55	0
G'lb'rn	b	91 64	0
Wagga.	u	99 41	0
C. Geo.	b	81 62	0

METEOROLOGY.

9 A.M. DEC'R 4 [illegible]

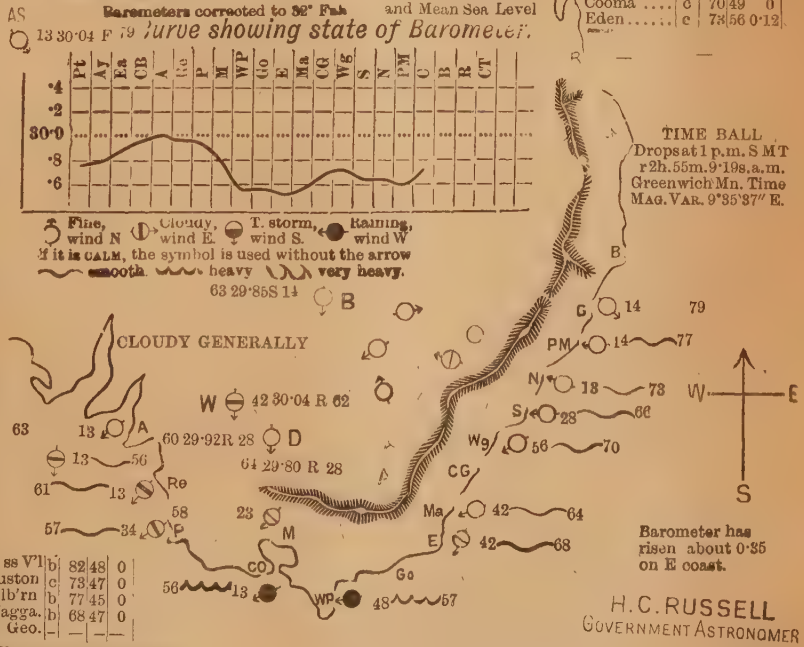
Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 60·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to November 30 48·129
Total Rainfall from Jan. 1st to December 4 42·850
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	wt	M'x	MD	R in
Casino ...	–	—	—	—
T'nt'rfield	–	—	—	—
Clarence.	b	96	70	0
Moree....	b	93	63	0
Grafton..	b	98	71	0
Gl'n Inn's	–	—	—	—
Inverell..	–	—	—	—
Bourke ...	b	95	56	0
Narrabri	b	92	42	0
Armidale	b	76	64	0
B'ndem'r.	–	—	—	—
Gunned'h	c	95	61	0
C'namble	b	—	—	0
Lismore..	–	—	—	—
Walcha ..	–	—	—	—
Tamw'rth	b	92	52	0
Coonab'n	b	90	48	0
P.M'cqrie	b	95	64	0
W'lcannia	b	—	—	0
M'rr'r'ndi	b	88	60	0
Taree....	–	—	—	—
Cassilis ..	b	89	62	0
M'ss'lbr'k	b	102	63	0
Dubbo. ..	b	92	53	0
Menindie.	b	77	54	0
Singleton	–	—	—	—
N'ls'n s B	b	99	65	0
♂ 8 73 Mudg	b	86	49	0
Maitland.	b	95	67	0
Hill End.	b	—	—	0
N'wcastle	b	—	—	0
Orange ..	c	76	47	0
Bathurst	c	79	49	0
Forbes...	b	80	48	0
M.V'ct'ria	b	—	50	0
Carcoar..	b	77	56	0
Cond'b'l'n	b	63	47	0
Marsdens	b	77	60	0
Picton. ..	b	90	57	0
Sydney ..	b	91	62	0
Wentw'th	c	75	50	0
Young. ..	c	79	50	0
Woll'g'ng	b	92	66	0
Taralga..	b	72	43	0
Hay	b	71	50	0

Stations.	wt	M'x	MD	R in
Qeaunbey'n	b	76	51	0
Deniliquin.	c	72	47	0
Moruya....	b	86	55	0
Kiandra...	c	54	35	0
Albury	u	68	51	0·23
Bodalla....	b	86	51	0
Cooma	c	70	49	0
Eden	c	73	56	0·12



M ss V'l	b	82	48	0
Euston	c	73	47	0
G'lb'rn	b	77	45	0
Wagga.	b	68	47	0
C. Geo.	–	—	—	—

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. DEC'R 5 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years ..... 50·491
Average for 26 years from Jan. 1st to November 30 48·129
Total Rainfall from Jan. 1st to December 5 42·850
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	wt	M'x	Mn	R in
Casino ...	–	—	—	—
T'nt'rfield	–	—	—	—
Clarence.	f	90	63	0
Moree....	b	87	51	0
Grafton..	–	—	—	—
Gl'n Inn's	–	—	—	—
Inverell..	–	—	—	—
Bourke ..	b	87	55	0
Narrabri	b	90	41	0
Armidale	b	70	59	0
B'ndem'r.	–	—	—	—
Gunned'h	b	86	54	0
C'namble	–	—	—	—
Lismore..	–	—	—	—
Walcha ..	b	79	40	0
Tamw'rth	–	—	—	—
Coonab'n	b	76	41	0
P.M'cquie	–	—	—	—
W'lcannia	–	—	—	—
M'rr'r'ndi	–	—	—	—
Taree....	–	—	—	—
Cassilis ..	b	72	52	0
M'ss'lbr'k	–	—	—	—
Dubbo...	b	81	45	0
Menindie.	b	75	56	0
Singleton	–	—	—	—
N'ls'n RB	–	—	—	—
13 75 Mudg	b	80	40	0
Maitland.	–	—	—	—
Hill End.	–	—	—	—
N'wcastle	b	90	61	0
Orange ..	b	67	43	0
Bathurst	b	71	49	0
Forbes...	b	87	45	0
M.V'ct'ria	–	—	—	—
Carcoar..	n	69	41	0
Cond'b'l'n	b	65	50	0
Marsdens	b	77	59	0
Picton...	c	78	45	0
Sydney ..	b	77	57	0
Wentw'th	b	80	52	0
Young...	b	84	45	0
Woll'g'ng	c	80	52	0
Taralga..	b	71	36	0
Hay.....	b	77	51	0

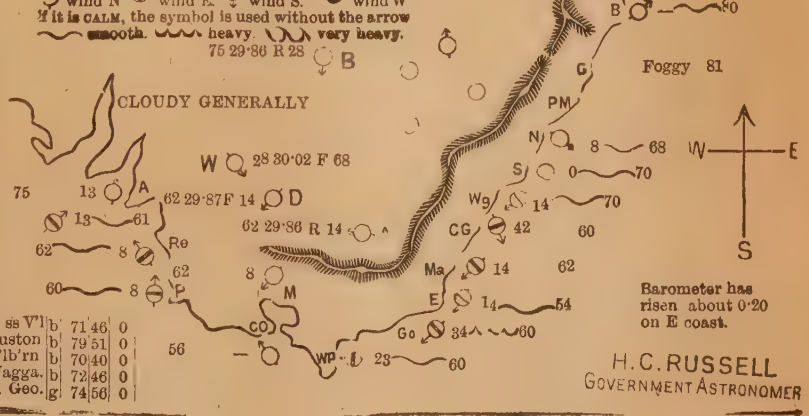
Stations.	wt	M'x	Mn	R'in
Queanbey'n	b	73	48	0
Deniliquin.	b	71	45	0
Moruya....	c	78	56	0
Kiandra...	b	59	—	0
Albury	b	73	46	0
Bodalla....	b	83	51	0
Cooma	c	74	39	0
Eden.....	c	71	55	0

0 30·00 F 80 *Curve showing state of Barometer.*

Fine, wind N Cloudy, wind E. T. storm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow

smooth. heavy. very heavy.



H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. DEC R 6 [illegible]

Sydney Observatory.

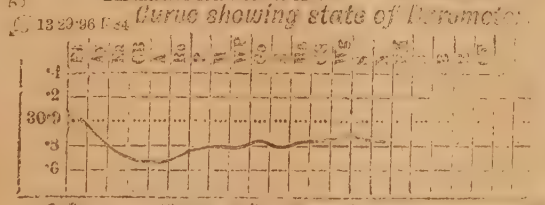
Lat. 33° 51′ 41″ S.; Long. 10h. 4m. 50·[illegible]

Average Annual Rainfall for 25 years .....50·491
Average for 25 years from Jan. 1st to November 30 48·129
Total Rainfall from Jan. 1st to December 6 42·850
Barometers corrected to 32° Fah and Mean Sea Level

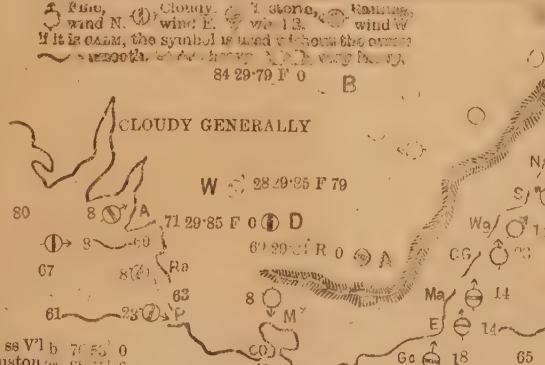
Stations.	W't	M'x	Mn	P'ln
Qeaunbey'n	b	73	[illegible]	[illegible]
Deniliquin	g	84	[illegible]	[illegible]
Moruya....	g	79	[illegible]	[illegible]
Kiandra...	g	68	[illegible]	[illegible]
Albury	c	81	[illegible]	0
Bodalla....	g	75	[illegible]	0
Cooma	c	[illegible]	42	0
Eden.....	c	7[illegible]	6[illegible]	0

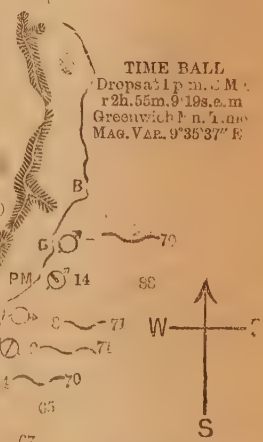
[illegible]		[illegible]62	0
[illegible]field	–	— —	—
Clarence.	b	86 67	0
Moree....	–	— —	—
Grafton..	g	88 65	0
Glen Inn's.	c	72 45	0
Inverell..	–	— —	—
Rouke ..	b	93 65	0
Narrabri	–	— —	—
Armidale	b	71 60	0
Bridam'r.	–	— —	—
Connedh	–	— —	—
Cnamble	b	— —	—
Lismore..	b	88 65	0
Walcha..	–	— —	—
Tamw'rth.	–	— —	—
Coonab'n	b	85 47	0
P.M'cqrie	c	80 60	0
W'lcannia	u	— —	0
M'rr'r'ndi	–	— —	—
Taree.....	c	82 66	0·01
Cassilis ..	b	86 61	0
M'ss'lbr'k	–	— —	—
Dubbo. ..	–	— —	—
Menindie.	g	85 62	0
Singleton	b	73 61	0
N'ls'n s.B	b	83 55	0·03
13 69 Mudg	b	83 51	0
Maitland.	–	— —	—
Hill End..	–	— —	—
N'wcastle	b	72 66	0
Orange ..	–	— —	—
Bathurst	b	78 45	0
Forbes. ..	b	82 50	0
M.V'ct'ria	b	— 61	0
Carcoar..	b	71 51	0
Cond'b'l'n	b	74 52	0
Marsdens	b	81 58	0
Picton. ..	c	76 59	0
Sydney ..	c	74 61	0
Wentw'th	g	93 61	0
Young. ..	b	84 49	0
Woll'g'ng	b	76 55	0
Taralga..	–	— —	—
Hay.....	u	— —	0

M ss V'l	b	76 55	0
Euston	g	[illegible]	0
G'lb'rn	b	[illegible]	0
Wagga.	b	76 47	0
C. Geo.	c	[illegible]	0



Fine, wind N. Cloudy, wind E. Thunderstorm, wind S. Rainfall, wind W.
If it is CALM, the symbol is used without the arrow.
smooth. [illegible] very heavy.





Barometer has risen about 0·20 on E coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

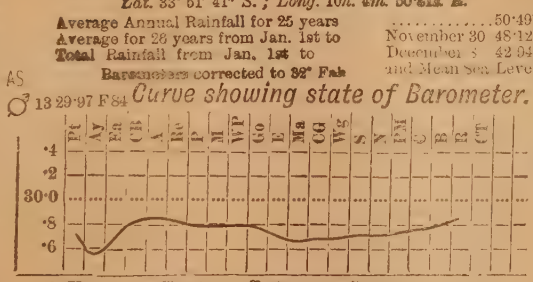
9 A.M. DEC'R 8 1886.

Sydney Observatory.

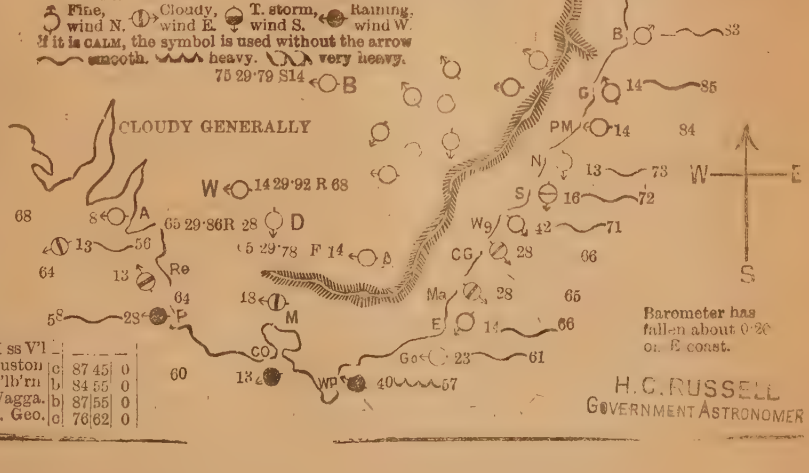
Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to November 30 48·129
Total Rainfall from Jan. 1st to December 8 42·941
Barometers corrected to 32° Fah and Mean Sea Level

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow
smooth. heavy. very heavy.



Stations.	wt	M'x	Mn	R in
Casino ...	b	98	66	0·11
T'nt'rfield	b	92	60	0·05
Clarence .	b	87	68	0·80
Moree....	b	96	66	0·03
Grafton ..	c	—	51	0·09
Gl'n Inn's	–	—	—	—
Inverell ..	–	—	—	—
Bourke ...	b	101	70	0
Narrabri .	b	101	60	0·04
Armidale	b	75	66	0·36
B'ndem'r	b	73	53	0
Gunned'h	–	—	—	—
C'namble	b	—	—	0
Lismore..	b	96	78	0
Walcha ..	b	84	57	0·07
Tamw'rth	–	—	—	—
Coonab'n	b	93	57	0·16
P.M'cqrie	b	84	64	1·19
W'lcannia	b	—	—	0
M'rr'r'ndi	c	89	64	0·27
Taree....	b	95	64	0·20
Cassilis ..	b	91	67	0·30
M'ss'lbr'k	b	103	64	0·18
Dubbo. ...	b	96	58	0
Menindie.	b	90	60	0
Singleton	b	90	67	0·18
N'ls'n sB	b	84	57	0·60
34 80				
Mudg	b	96	52	0
Maitland.	b	90	70	0·28
Hill End .	b	—	—	0
N'wcastle	b	80	65	0·01
Orange ..	b	82	55	0
Bathurst	b	80	54	0
Forbes...	b	85	49	0
M.V'ct'ria	–	—	—	—
Carcoar..	b	77	60	0
Cond'b'l'n	b	69	55	0
Marsdens	b	85	69	0
Picton...	b	87	59	0
Sydney ..	c	79	66	0·09
Wentw'th	c	85	48	0·05
Young. ...	b	84	59	0
Wolf'g'ng	b	83	65	0
Taralga ..	b	81	58	0
Hay	b	96	51	0

Stations.	wt	M'x	Mn	R in
M ss V'l	–	—	—	—
Euston	c	87	45	0
G'lb'rn	b	84	55	0
Wagga.	b	87	55	0
C. Geo.	c	76	62	0

Stations.	wt	M'x	Mn	R in
Queanbey'n	b	79	56	0
Deniliquin.	b	92	48	0
Moruya....	g	85	61	0
Kiandra...	b	72	42	0·38
Albury	b	84	54	0·02
Bodalla....	g	91	53	0
Cooma	b	82	48	0
Eden.....	b	73	58	0·03

METEOROLOGY.

9 A.M. DEC'R 9 1884

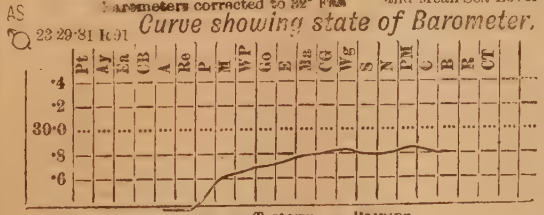
Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to November 30 48·129
Total Rainfall from Jan. 1st to December 9 43·380
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	Wt	M'x	MD	R in
Casino ...	-	—	—	—
T'nt'rfield	c	89	54	0
Clarence.	g	96	70	0
Moree....	b	95	66	0
Grafton...	c	103	66	0
Gl'n Inn's	-	—	—	—
Inverell..	b	86	47	0
Bourke ..	g	96	64	0
Narrabri	b	101	69	0
Armidale	b	77	67	0
B'ndem'r.	-	—	—	—
Gunned'h	b	94	65	0
C'namble	-	—	—	—
Lismore..	-	—	—	—
Walcha ..	c	83	50	0
Tamw'rth	b	91	55	0
Coonab'n	b	89	46	0
P.M'cqrie	c	90	68	0·02
W'lcannia	u	—	—	0
M'rr'r'ndi	b	85	63	0
Taree....	g	90	67	0
Cassilis ..	b	87	64	0
M'ss'lbr'k	c	97	64	0
Dubbo. ..	b	89	47	0
Menindie.	b	81	63	0
Singleton	b	84	71	0
N'ls'n s B	b	89	65	0·55
Mudg	b	89	46	0
Maitland.	u	81	67	0·08
Hill End.	b	—	—	0
N'wcastle	b	77	67	0
Orange ..	b	78	44	0
Bathurst	b	84	41	0
Forbes...	-	—	—	—
M.V'ct'ria	c	67	57	0
Carcoar..	-	—	—	—
Cond'b'l'n	b	73	53	0
Marsdens	b	83	60	0
Picton. ..	u	82	65	0
Sydney ..	g	76	64	0·44
Wentw'th	b	83	57	0
Young. ..	c	89	46	0
Woll'g'ng	c	79	62	0
Taralga..	b	86	47	0
Hay.....	c	81	56	0

Stations.	Wt	M'x	MD	R in
Quaunbey'n	b	81	59	0
Deniliquin.	b	82	50	0
Moruya....	c	74	57	0
Kiandra...	b	71	29	0
Albury	b	84	49	0
Bodalla....	g	79	51	0
Cooma	c	81	41	0
Eden.....	c	79	60	0



M ss V'l	b	—	—	0
Euston	c	85	58	0
G'lb'rn	b	83	55	0
Wagga.	b	80	46	0
C. Geo.	c	69	60	0

Barometer has fallen about 0·20 on S coast.

H. C. RUSSELL.
GOVERNMENT ASTRONOMER

METEOROLOGY.

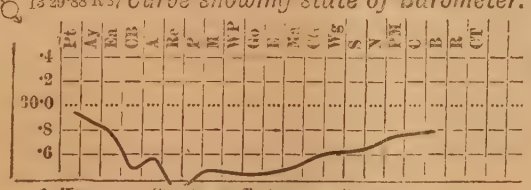
9 A.M. DEC'R 10 1884.

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 60·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 25 years from Jan. 1st to November 30 48·129
Total Rainfall from Jan. 1st to December 10 43·381
Barometers corrected to 32° Fah and Mean Sea Level

AS 13 29·68 R 57 *Curve showing state of Barometer.*



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W
If it is CALM, the symbol is used without the arrow
smooth. heavy. very heavy.

Stations.	Wt	M'x	Mn	R'in
Casino	–	–	–	–
Tent'field	b	91	57	0
Clarence	c	88	71	0
Moree....	c	97	69	0
Grafton..	c	98	69	0
Gl'n Inn's	c	90	55	0
Inverell..	c	88	61	0
Bourke ..	g	97	74	0
Narrabri	b	100	62	0
Armidale	b	77	67	0
B'ndem'r.	g	79	48	0
Gunned'h	–	–	–	–
C'tamble	–	–	–	0
Lismore..	b	92	75	0
Walcha...	c	85	54	0
Tamw'rth	c	93	55	0
Coonab'n	c	94	51	0
P.M'cqrie	c	82	68	0
W'lcannia	b	–	–	0
M'rr'r'ndi	b	81	59	0
Taree....	c	91	64	0·01
Cassilis ..	b	89	61	0
M'ss'lbr'k	b	100	64	0
Dubbo....	b	98	55	0
Menindie.	b	91	66	0
Singleton	–	–	–	–
N'ls'n s B	b	85	61	0
23 67				
Mudg	b	92	48	0
Maitland.	b	87	64	0·11
Hill End.	b	–	–	0
N'wcastle	b	81	66	0
Orange ..	c	82	51	0
Bathurst	c	89	48	0
Forbes...	b	87	50	0
M.V'ct'ria	b	–	–	0
Carcoar..	b	82	56	0
Cond'b'l'n	c	80	63	0
Marsdens	b	91	71	0
Picton...	b	85	69	0
Sydney...	b	78	66	0
Wentw'th	b	100	54	0
Young....	b	88	62	0
Wolf'g'ng	b	79	67	0
Taralga..	b	88	58	0
Hay.....	b	91	62	0

Stations.	Wt	M'x	Mn	R'in
Queanbey'n	g	83	59	0
Deniliquin	b	94	74	0
Moruya....	b	77	62	0
Kiandra...	g	75	16	0
Albury	b	91	62	0
Bodalla....	b	79	57	0
Cooma	c	84	51	0
Eden.....	c	75	65	0

Stations.	Wt	M'x	Mn	R'in
M'ss V'l	–	–	–	–
Euston	b	98	50	·21
G'lb'rn	b	91	55	0
Wagga.	b	95	68	0
C. Geo.	b	72	66	0

CLOUDY GENERALLY

W 42 29·69 S 70
64 29·61 F 14 D
72 29·61 F 28 A
84 29·65 F 14 B

TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

Barometer has fallen about 0·30 on E coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. DEC'R 11 1884

Sydney Observatory.

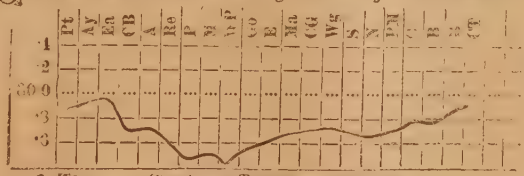
Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to November 30 48·129
Total Rainfall from Jan. 1st to December 11 43·381
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	Wt	M'x	MD	R'in
Casino ...	-	—	—	—
T'nt'rfield	-	—	—	—
Clarence.	r	87	71	0·10
Moree....	g	101	70	0·69
Grafton..	r	97	70	0·22
Gl'n Inn's	-	—	—	—
Inverell..	r	95	65	0·70
Bourke ..	b	103	68	0
Narrabri	u	104	64	0·39
Armidale	c	82	71	0·39
B'ndem'r.	u	82	47	0·78
Gunned'h	c	101	69	0·76
C'namble	-	—	—	—
Lismore..	c	99	75	0·07
Walcha..	b	88	62	0·71
Tamw'rth	c	99	66	0·32
Coonab'n	u	98	63	0·15
P.M'cqrie	-	—	—	—
W'lcannia	b	—	—	0
M'rr'r'ndi	u	92	66	0·19
Taree....	g	96	69	0·38
Cassilis ..	c	94	72	0·41
M'ss'lbr'k	g	106	69	0·21
Dubbo. ..	b	99	58	0·01
Menindie.	b	76	63	0
Singleton	g	100	74	0·16
N'ls'n s B	g	82	69	0·10
8 66 Mudg	b	95	56	0·11
Maitland.	u	97	72	0·13
Hill End.	b	—	—	0·18
N'wcastle	g	94	69	0·09
Orange ..	b	87	51	0·30
Bathurst	b	83	52	0
Forbes. ..	b	92	51	0
M.V'ct'ria	b	—	62	0
Carcoar..	b	83	61	0
Cond'b'l'n	b	75	59	0
Marsdens	b	83	71	0
Picton. ..	c	97	63	0·06
Sydney ..	c	85	66	0·09
Wentw'th	c	84	55	0
Young. ..	b	94	61	0
Woll'g'ng	b	86	59	0
Taralga..	b	83	50	0
Hay	b	86	51	0
M ss V'l	b	—	—	0
Euston	b	84	47	0
G'lb'rn	b	93	57	0
Wagga.	b	80	53	0
C. Geo.	c	82	60	0

Stations.	Wt	M'x	MD	R'in
Qeaunbey'n	b	90	60	0
Deniliquin.	b	84	52	0
Moruya....	c	99	59	0
Kiandra...	b	70	42	0
Albury	b	85	52	0
Bodalla....	g	100	55	0
Cooma ...	b	88	42	0
Eden.....	c	80	58	0

AS 23 30·03 R 84 *Curve showing state of Barometer.*



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.

If it is CALM, the symbol is used without the arrow

smooth. heavy. very heavy.

82 29·72 R14 B

CLOUDY GENERALLY

W 56 29·83 R 69

63 28 A 67 29·79 R 0 D

40 58 67 29·71 R 14 A

Re

64 23 M

58 48 P

CO

54 13 WP 34 61

Go 28 65

E 14 67

Ma 14 75

CG 14 68

Wg 74

S 10 73

N 13 69

PM

G 0 72

B 78

R 81

TIME BALL.
Drops at 1 p.m. 8·5 s.
r 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

W E S

Barometer has risen about 0·15 on E coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

DEC'R 12 1884.

9 A.M.

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to November 30 48·129
Total Rainfall from Jan. 1st to December 12 43·497
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	wt	M'x	Mn	R in
Casino ...	b	93	64	·0
T'nt'rfield	b	81	54	0
Clarence .	b	92	68	0·02
Moree....	b	86	62	0
Grafton ..	c	87	66	0·08
Gl'n Inn's	c	79	52	0
Inverell..	-	—	—	—
Bourke ..	b	100	59	0
Narrabri	b	97	59	0
Armidalc	b	73	65	0
B'ndem'r.	b	80	48	0·05
Gunned'h	b	87	60	0·06
C'namble	b	—	—	0
Lismore..	b	89	67	0·15
Walcha ..	b	72	59	0
Tamw'rth	b	85	55	0
Coonab'n	b	88	48	0
P.M'cqrie	b	93	63	0
W'lcannia	b	—	—	0
M'rr'r'ndi	b	84	58	0
Taree....	b	88	64	0·01
Cassilis ..	b	87	64	0
M'ss'lbr'k	b	97	63	0
Dubbo. ...	b	95	52	0
Menindie.	b	84	61	0
Singleton	b	93	65	0
N'ls'n sB	b	91	63	0·01
0 62				
Mudg	b	88	51	0
Maitland.	b	96	63	0
Hill End.	b	—	—	0
N'wcastle	b	85	65	0
Orange ..	b	79	49	0
Bathurst	b	84	49	0
Forbes...	b	90	53	0
M.V'ct'ria	b	—	61	0·20
Carcoar..	b	78	55	0
Cond'b'l'n	b	69	55	0
Marsdens	b	87	65	0
Picton. ...	b	89	54	0
Sydney ..	b	77	64	0·01
Wentw'th	b	83	57	0
Young. ...	b	88	55	0
Woll'g'ng	b	82	65	0
Taralga..	b	85	58	0
Hay	c	83	54	0

M ss V'l	b	—	—	0
Euston	c	81	47	0
G'lb'rn	b	83	55	0
Wagga.	b	82	53	0
C. Geo.	c	74	63	0

Stations.	wt	M'x	Mn	R in
Queanbey'n	b	[illegible]		
Deniliquin .	b	[illegible]	50	0
Moruya....	c	94	60	0
Kiandra...	b	75	40	0
Albury	b	81	55	0
Bodalla....	b	83	50	0
Cooma	c	78	50	0
Eden.....	b	74	57	0

AS 13 29·74 F 93

Curve showing state of Barometer.

Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow
smooth. heavy. very heavy.

R —— —

TIME BALL
Drops at 1 p.m. S M T
r 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

78 29·78 R 14 B

B —— 88

C 14 —— 90

PM 14 —— 83

N 8 —— 81

S 16 —— 75

Wg 28 —— 73

CG 0 —— 70

Ma 28 —— 70

E 14 —— 73

Go 18 —— 63

CLOUDY GENERALLY

W 42 29·93 R 65

65 8 A 63 29·81 R 14 D

18 59 Re

63 29·77 R 0 A

59 8 62

18 M

59 23 P

CO

58 WP 48 65

Barometer has risen about 0·15 on S coast.

W — E

S

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. DEC'R 13 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to November 30 48·129
Total Rainfall from Jan. 1st to December 13 43·480
Barometers corrected to 32° Fah and Mean Sea Level

AS 23 29·87 R 83 *Curve showing state of Barometer.*

	PE	Ay	Ea	CB	A	Re	P	M	WP	Go	E	Ma	CG	Wg	S	N	PM	C	B	R	CT
·4																					
·2																					
30·0																					
·8																					
·6																					

TIME BALL
Drops at 1 p.m. S MT
or 2h.55m.9·19s.a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

CLOUDY GENERALLY

W 56 29·66 F 79

76 26·70 F 0 B

73 29·75 F 0 D

65 29·76 F 14 A

Barometer has risen about 0·07 on E coast.

H.C. RUSSELL
GOVERNMENT ASTRONOMER

Stations.	Wt	M'x	Mn	R in
Casino	b	99	60	0
Tnt'rfield	b	87	48	0
Clarence .	c	98	71	0
Moree....	b	91	60	0
Grafton..	b	103	65	0
Gl'n Inn's	–	—	—	—
Inverell..	b	88	54	0
Bourke ..	b	102	61	0
Narrabri	b	100	62	0
Armidale	b	75	63	0
B'ndem'r.	b	83	49	0
Gunned'h	b	92	60	0
C'namble	–	—	—	—
Lismore..	b	99	67	0
Walcha ..	b	77	46	
Tamw'rth	b	89	52	0
Coonab'n	b	88	44	0
P.M'cqrie	b	87	63	0
W'lcannia	b	—	—	0
M'rr'r'ndi	b	87	55	0
Taree....	b	92	48	0
Cassilis ..	b	86	55	0
M'ss'lbr'k	b	97	56	0
Dubbo....	b	92	49	0
Menindie.	u	84	66	0
Singleton	b	92	62	0
N'ls'n sB	b	92	66	0
34 64 Mudg	b	87	45	0
Maitland.	b	92	60	0
Hill End .	b	—	—	0
N'wcastle	b	84	63	0
Orange ..	c	76	44	0
Bathurst	c	83	41	0
Forbes. ..	b	88	57	0
M.V'ct'ria	b	—	67	0
Carcoar..	b	77	61	0
Cond'b'l'n	o	75	52	0
Marsdens	–	—	—	—
Picton. ..	c	86	54	0
Sydney ..	c	83	63	0
Wentw'th	g	88	64	0
Young. ..	b	89	48	0
Woll'g'ng	b	84	60	0
Taralga..	b	84	58	0
Hay	c	86	61	0

Stations.	Wt	M'x	Mn	R'in
Qeaunbey'n	b	78	56	0
Deniliquin .	b	81	53	0
Moruya....	c	77	57	0
Kiandra...	c	75	30	0
Albury	c	75	50	0
Bodalla....	b	80	50	0
Cooma	c	78	42	0
Eden.....	–	—	—	—

M ss V'l	–	—	—	—
Euston	c	89	59	0
G'lb'rn	b	78	45	0
Wagga.	c	81	48	0
C. Geo.	b	76	57	0

METEOROLOGY.

9 A.M. DEC'R 15 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s. E.*

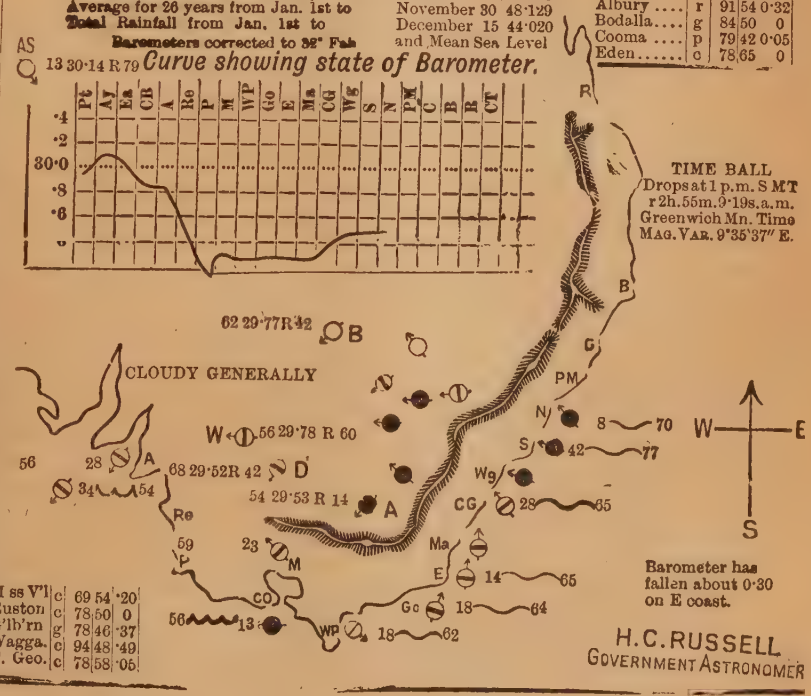
Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to November 30 48·129
Total Rainfall from Jan. 1st to December 15 44·020
Barometers corrected to 32° Fah and Mean Sea Level

AS 13 30·14 R 79 *Curve showing state of Barometer.*

Stations.	Wt	M'x	Mn	R in
Casino	–	—	—	—
T'nt'rfield	–	—	—	—
Clarence	–	—	—	—
Moree	–	—	—	—
Grafton	–	—	—	—
Gl'n Inn's	–	—	—	—
Inverell	–	—	—	—
Bourke	b	84	57	1·37
Narrabri	b	74	54	0·60
Armidale	–	—	—	—
B'ndem'r	–	—	—	—
Gunned'h	–	—	—	—
C'namble	b	—	—	0·25
Lismore	–	—	—	—
Walcha	–	—	—	—
Tamw'rth	b	84	61	0·11
Coonab'n	b	74	59	0·60
P.M'cqrie	–	—	—	—
W'lcannia	c	—	—	0
M'rr'r'ndi	–	—	—	—
Taree	–	—	—	—
Cassilis	b	80	64	0·44
M'ss'lbr'k	g	90	60	0·77
Dubbo	c	75	54	1·38
Menindie	c	80	53	0·18
Singleton	–	—	—	—
N'ls'n a B	p	87	63	0 11
8 65				
Mudg	u	95	45	1·25
Maitland	–	—	—	—
Hill End	p	—	—	1·10
N'wcastle	p	80	70	0·17
Orange	c	66	56	—
Bathurst	r	84	41	0·90
Forbes	c	80	50	1·13
M. V'ct'ria	p	—	39	0·37
Carcoar	r	77	56	0·82
Cond'b'l'n	u	56	44	0 90
Marsdens	c	86	56	0·68
Picton	d	78	55	0·26
Sydney	q	81	60	0·54
Wentw'th	q	80	51	0·55
Young	p	70	48	0·64
Woll'g'ng	p	80	59	0·18
Taralga	r	73	48	0·45
Hay	u	88	49	0·22

Stations.	W't	M'x	Mn	R'in
Queanbey'n	p	84	55	0·35
Deniliquin	c	94	48	0·08
Moruya	g	85	59	0
Kiandra	r	52	35	2·55
Albury	r	91	54	0·32
Bodalla	g	84	50	0
Cooma	p	79	42	0·05
Eden	c	78	65	0

M ss V'l	c	69	54	·20
Euston	c	78	50	0
G'lb'rn	g	78	46	·37
Wagga	c	94	48	·49
C. Geo.	c	78	58	·05



TIME BALL
Drops at 1 p.m. S MT
r 2h.55m.9·19s.a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

Barometer has fallen about 0·30 on E coast.

H.C. RUSSELL.
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. DEC'R 16 1884.

Sydney Observatory.

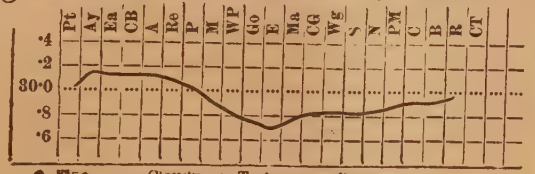
Lat. 33° 51′ 41″ *S.* ; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to November 30 48·129
Total Rainfall from Jan. 1st to December 16 44·020

Barometers corrected to 32° Fah and Mean Sea Level

AS 0 30·16 R 81

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow
smooth. heavy. very heavy.

67 29·96 R 14 B

CLOUDY GENERALLY

W 42 30·14 R 67

62 8 A 63 30·01 R 28 D

13 59

60 13 Re

62 29·35 R 28 A

58 18 M

23 57 P

55 8 CO WP

CG

Ma 42 72

E 28 74

Go 34 56

TIME BALL
Drops at 1 p.m. S MT
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

R 80

B 81

C 83

PM 14 77

N 13 75

S 32 69

Wg 42 7

W E S

Barometer has risen about 0·30 on E coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

Stations.	W't	M'x	Mn	R'in
Casino ...	b	89	52	0
T'nt'rfield	–	—	—	—
Clarence.	b	90	64	0
Moree....	–	—	—	—
Grafton..	b	87	64	0
Gl'n Inn's	–	—	—	—
Inverell..	b	74	51	0
Bourke ..	b	82	58	0
Narrabri	b	85	48	0
Armidale	–	—	—	—
B'ndem'r.	–	—	—	—
Gunned'h	b	78	55	0
C'namble	–	—	—	—
Lismore..	–	—	—	—
Walcha ..	–	—	—	—
Tamw'rth	b	91	55	0
Coonab'n	c	72	50	0
P.M'cqrie	b	87	65	0
W'lcannia	–	—	—	—
M'rr'r'ndi	b	71	52	0
Taree....	b	86	56	0
Cassilis ..	b	71	59	0
M'ss'lbr'k	–	—	—	—
Dubbo. ..	b	69	52	0
Menindie.	c	75	55	0
Singleton	–	—	—	—
N'ls'n sB	b	88	61	0
0 65 Mudg	g	66	47	0
Maitland.	c	77	62	0
Hill End..	u	—	—	0·05
N'wcastle	b	76	61	0·01
Orange ..	g	67	46	0
Bathurst	b	59	47	0·02
Forbes. ..	c	66	51	0·02
M.V'ct'ria	g	—	51	0
Carcoar..	u	60	53	0·15
Cond'b'l'n	g	61	42	0
Marsdens	c	66	58	0·06
Picton. ..	c	70	58	0
Sydney ..	b	71	62	0
Wentw'th	c	70	51	0
Young. ..	u	62	51	0·32
Woll'g'ng	b	74	60	0
Taralga..	c	79	49	0·23
Hay.....	b	71	51	0

Stations.	W't	M'x	Mn	R'in
Mss V'l	b	64	52	0
Euston	c	67	46	0
G'lb'rn	b	59	49	·02
Wagga.	u	67	54	·16
C. Geo.	c	73	58	0

Stations.	W't	M'x	Mn	R'in
Qeaunbey'n	b	66	53	0
Deniliquin.	o	69	52	0·06
Moruya....	c	81	57	0
Kiandra...	r	47	37	0
Albury	u	62	53	2·27
Bodalla....	b	80	53	0·44
Cooma	c	68	45	0
Eden.....	c	76	60	0·05

METEOROLOGY.

9 A.M. DEC'R 17 1884

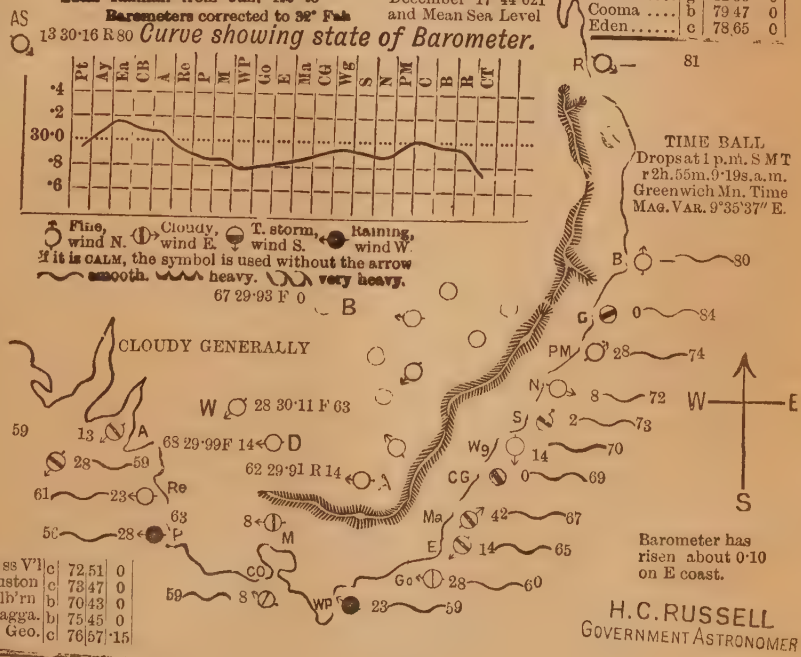
Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to November 30 48·129
Total Rainfall from Jan. 1st to December 17 44·021
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	Wt	M'x	Mn	R in
Casino ...	b	—	—	—
T'nt'rfield		81	47	0
Clarence.		92	64	0
Moree....	b	84	58	0
Grafton..	—	—	—	—
Gl'n Inn's	b	80	58	0
Inverell..	b	77	53	0
Bourke ..	b	85	56	0
Narrabri	b	95	53	0
Armidalc	b	70	60	0
B'ndem'r.	b	77	43	0
Gunned'h	b	85	56	0
C'namble	b	—	—	0
Lismore..	c	93	62	0
Walcha ..	b	69	45	0
Tamw'rth	b	83	50	0
Coonab'n	b	80	46	0
P.M'cqrie	b	81	68	0
W'lcannia	b	—	—	0
M'rr'r'ndi	b	77	56	0
Taree....	b	89	57	0
Cassilis ..	b	76	56	0
M'ss'lbr'k	b	88	57	0
Dubbo. ..	b	79	49	0
Menindie.	b	75	57	0
Singleton	b	86	61	0
N'ls'n sB	b	86	61	0
8 68 Mudg	b	78	42	0
Maitland.	b	86	60	0
Hill End.	b	—	—	0
N'wcastle	b	80	65	0
Orange...	c	64	41	0·01
Bathurst	c	67	42	0
Forbes. ..	b	66	49	0
M.V'ct'ria	b	—	56	0
Carcoar..	b	60	48	0
Cond'b'l'n	b	67	49	0
Marsdens	b	73	53	0
Picton. ..	c	77	57	0
Sydney ..	b	73	64	0
Wentw'th	b	76	51	0
Young. ..	b	72	46	0
Woll'g'ng	c	80	60	0
Taralga..	b	71	40	0
Hay	b	78	51	0

Stations.	Wt	M'x	Mn	R'in
Qeaunbey'n	b	73	51	0
Deniliquin.	b	80	55	0
Moruya....	c	78	59	0·01
Kiandra...	c	60	59	0·04
Albury	c	73	47	0
Bodalla....	g	81	56	0
Cooma	b	79	47	0
Eden.....	c	78	65	0



M ss V'l	c	72	51	0
Euston	c	73	47	0
G'lb'rn	b	70	43	0
Wagga.	b	75	45	0
C. Geo.	c	76	57	·15

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

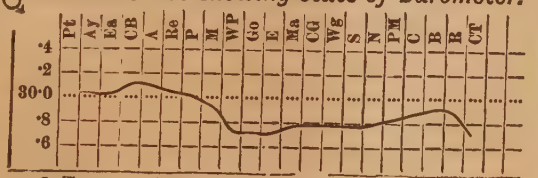
9 A.M. DEC'R 18 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·8*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to November 30 48·129
Total Rainfall from Jan. 1st to December 18 44·021
Barometers corrected to 32° Fah and Mean Sea Level

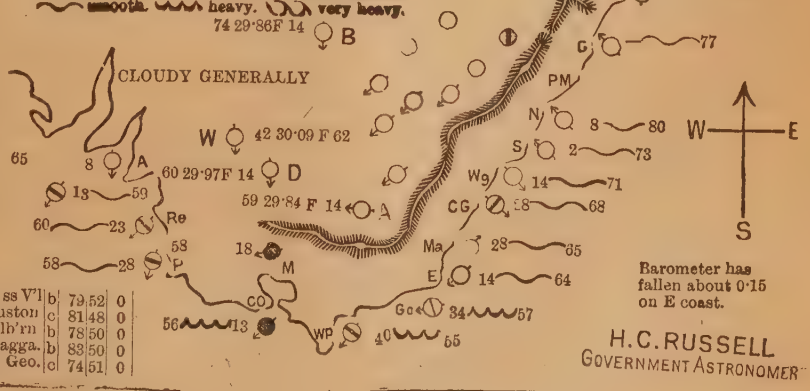
AS 13 30·06 F 82 *Curve showing state of Barometer.*



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W
If it is CALM, the symbol is used without the arrow
smooth. heavy. very heavy.

Stations.	wt	m'x	Mn	R'in
Casino ...	–	—	—	—
T'nt'rfield	c	88	54	0
Clarence.	b	92	63	0
Moree....	b	89	62	0
Grafton..	b	91	64	0
Gl'n Inn's	g	69	49	0
Inverell..	b	80	53	0
Bourke ..	b	92	63	0
Narrabri	b	96	50	0
Armidale	b	73	61	0
B'ndem'r.	b	78	41	0
Gunned'h	b	89	61	0
C'namble	o	—	—	0
Lismore..	–	—	—	—
Walcha ..	b	78	47	0
Tamw'rth	b	87	50	0
Coonab'n	b	85	50	0
P.M'cqrie	–	—	—	—
W'lcannia	o	—	—	0
M'rr'r'ndi	b	82	57	0
Taree....	–	—	—	—
Cassilis ..	b	80	60	0
M'ss'lbr'k	b	92	52	0
Dubbo...	b	87	52	0
Menindie.	b	80	56	0
Singleton	b	90	70	0
N'ls'n sB	–	—	—	—
13 72 Mudg	b	82	50	0
Maitland.	–	—	—	—
Hill End.	b	—	—	0
N'wcastle	b	82	62	0
Orange ..	b	71	49	0
Bathurst	b	78	47	0
Forbes...	b	72	57	0
M.V'ct'ria	b	—	57	0
Carcoar..	b	71	51	0
Cond'b'l'n	b	65	51	0
Marsdens	b	81	60	0
Picton...	b	85	51	0
Sydney ..	b	75	64	0
Wentw'th	b	81	51	0
Young...	c	81	52	0
Woll'g'ng	b	81	58	0
Taralga..	b	76	45	0
Hay.....	b	80	51	0
M ss V'l	b	79	52	0
Euston	c	81	48	0
G'lb'rn	b	78	50	0
Wagga.	b	83	50	0
C. Geo.	c	74	51	0

Stations.	wt	m'x	Mn	R'in
Qeaunbey'n	b	76	55	0
Deniliquin.	o	80	46	0
Moruya....	c	78	53	0
Kiandra...	c	65	38	0
Albury	c	77	47	0
Bodalla....	b	80	46	0
Cooma	g	77	38	0
Eden.....	b	74	52	0



TIME BALL
Drops at 1 p.m, S M T
r 2h.55m.9·19s.a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

Barometer has fallen about 0·15 on E coast.

H.C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

DEC'R 19 1884

9 A.M.

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long.* 10*h.* 4*m.* 50·31*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to November 30 48·129
Total Rainfall from Jan. 1st to December 19 44·021
Barometers corrected to 32° Fah and Mean Sea Level

13 30·10 R85 *Curve showing state of Barometer.*

Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow
smooth. heavy. very heavy.

73 29·96 R14 B

FINE GENERALLY

W 28 30·12 R 71

64 30·08R 14 D

60 29·95 R 14 A

TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

Barometer has risen about 0·25 on E coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

Stations.	wt	M'x	Mn	R in
Casino ...	–	—	—	—
T'nt'rfield	c	81	53	0
Clarence .	c	91	67	0
Moree....	b	90	61	0
Grafton..	b	91	64	0
Gl'n Inn's	b	75	48	0
Inverell..	b	74	54	0
Bourke ..	b	85	53	0
Narrabri	b	98	57	0
Armidale	b	74	62	0
B'ndem'r.	b	78	43	0
Gunned'h	b	90	62	0
C'namble	b	—	—	0
Lismore..	c	89	72	0
Walcha..	b	79	49	0
Tamw'rth	b	90	52	0
Coonab'n	b	89	43	0
P.M'cqrie	b	89	59	0·78
W'lcannia	b	—	—	0
M'rr'ndi	b	82	57	0
Taree....	g	71	60	0·01
Cassilis ..	b	81	54	0
M'ss'lbr'k	b	90	51	0
Dubbo..	b	83	46	0
Menindie.	b	77	56	0
Singleton	b	80	61	0
N'ls'n sB	b	78	57	0·08
18 65 Mudg	b	81	42	0
Maitland.	b	90	58	0
Hill End.	b	—	—	0
N'wcastle	b	85	59	0·01
Orange ..	b	68	40	0
Bathurst	b	71	39	0
Forbes...	b	75	53	0
M.V'ct'ria	b	—	55	0
Carcoar..	–	—	—	—
Cond'b'l'n	b	67	49	0
Marsdens	b	76	52	0
Picton. ...	c	78	45	0
Sydney ..	g	79	56	0
Wentw'th	b	79	54	0
Young. ...	b	78	45	0
Woll'g'ng	b	82	57	0
Taralga..	b	71	40	0
Hay	b	77	51	0
M ss V'l	b	73	42	0
Euston	b	82	50	0
G'lb'rn	b	70	40	0
Wagga.	b	73	43	0
C. Geo.	b	69	52	0

Stations.	w't	M'x	Mn	R'in
Qeaunbey'n	b	74	46	0
Deniliquin .	c	79	43	0
Moruya....	b	78	49	0
Kiandra...	b	69	24	0·15
Albury	b	74	44	0
Bodalla....	b	77	38	0
Cooma	b	69	34	0
Eden.....	c	73	56	0

METEOROLOGY.

9 A.M. DEC'R 20 1894

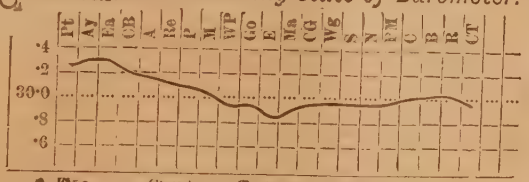
Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years ..... 50·491
Average for 26 years from Jan. 1st to November 30 48·129
Total Rainfall from Jan. 1st to December 20 44·022

Barometers corrected to 32° Fah and Mean Sea Level

AS 13 30·16 R83 *Curve showing state of Barometer.*



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W
If it is CALM, the symbol is used without the arrow
smooth. heavy. very heavy.

80 29·94 F 0 B

Stations.	Wt	M'x	Mn	R in
Casino ...	–	—	—	—
T'nt'rfield	–	—	—	—
Clarence .	–	—	—	—
Moree....	b	91	67	0
Grafton..	–	—	—	—
Gl'n Inn's	–	—	—	—
Inverell..	–	—	—	—
Bourke ..	b	94	58	0
Narrabri	b	99	58	0
Armidale	b	75	64	0
B'ndem'r.	b	82	47	0
Gunned'h	b	90	62	0
C'mmble	–	—	—	—
Lismore..	–	—	—	—
Walcha ..	–	—	—	—
Tamw'rth	–	—	—	—
Coonab'n	b	86	41	0
P.M'cqrie	b	79	58	0
W'lcannia	b	—	—	0
M'rr'r'ndi	b	82	53	0
Tarce....	b	79	55	0
Cassilis ..	b	81	57	0
M'ss'lbr'k	b	91	52	0
Dubbo...	–	—	—	0
Menindie.	b	86	65	—
Singleton	b	89	58	0
N'ls'n sB	b	89	55	0
S 66				
Mudg	b	88	48	0
Maitland.	b	90	60	0
Hill End.	b	—	—	0
N'wcastle	c	76	66	0
Orange ..	b	74	43	0
Bathurst	c	80	40	0
Forbes...	b	86	51	0
M.V'ct'ria	g	—	60	0
Carcoar..	b	69	46	0
Cond'b'l'n	c	74	54	0
Marsdens	b	84	61	0
Picton...	c	86	54	0
Sydney...	g	73	59	0
Wentw'th	c	93	56	0
Young...	b	79	53	0
Woll'g'ng	c	77	57	0
Taralga..	b	79	37	0
Hay.....	b	85	63	0
Mss V'l	c	78	49	0
Euston	b	94	54	0
G'lb'rn	b	82	46	0
Wagga.	b	86	50	0
C. Geo.	c	70	56	0

Stations.	Wt	M'x	Mn	R'in
Qeaunbey'n.	b	76	53	0
Deniliquin.	b	82	53	0
Moruya....	b	74	58	0
Kiandra...	b	74	30	0
Albury	b	86	51	0
Bodalla....	b	77	49	0
Cooma	b	82	42	0
Eden.....	b	76	54	0

R — 72

TIME BALL
Dropsat 1 p.m. S M T
r2h.55m.0·19s.a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

B 75

G

PM 28 76

N 8 72

S 8 72

W 28 70

CG 8 70

28 72

E 14 75

Go 13 74

WP 13 56

W 42 30·19 R 65

54 S A 65 30·02 F 28 D

67 29·87 F 28

18 57

62 13 Re

59 23 P

62 8 M

58 8 CO

FINE GENERALLY

Barometer has fallen about 0·10 on E coast.

H.C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

DEC'R 22 1884

9 A.M.

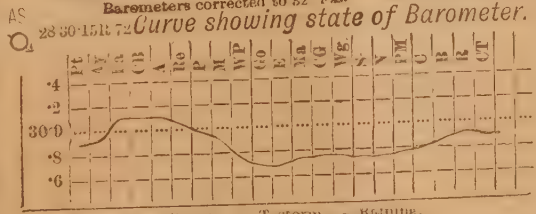
Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to November 30 48·129
Total Rainfall from Jan. 1st to December 22 44·023
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	wt	M'x	MD	R in
Casino ...	o	94	63	0
T'nt'rfield	b	91	55	0
Clarence.	–	—	—	—
Moree....	b	96	61	0
Grafton..	b	96	61	0
Gl'n Inn's	–	—	—	—
Invereli..	b	86	55	0
Bourke..	b	99	66	0
Narrabri	b	101	53	0
Armidale	b	76	66	0
B'ndem'r.	b	82	45	0
Gunned'h	b	95	63	0
C'namble	–	—	—	—
Lismore..	b	92	67	0
Walcha..	o	82	46	0
Tamw'rth	b	94	53	0
Coonab'n	b	86	47	0
P.M'cqrie	b	82	63	0
W'leannia	b	—	—	0
M'rr'r'ndi	b	87	60	0
Taree....	–	—	—	—
Cassilis ..	b	86	61	0
M'ss'lbr'k	b	97	56	0
Dubbo...	g	90	53	0
Menindie.	c	85	62	0
Singleton	b	91	65	0
N'ls'n s B	b	88	60	0
18 70 Mudg	b	90	46	0
Maitland.	b	91	63	0
Hill End.	g	—	—	0
N'weastle	b	81	62	0
Orange ..	c	78	50	0
Bathurst	g	84	45	0
Forbes...	g	80	49	0
M.V'ct'ria	c	—	60	0
Carcoar..	b	74	56	0
Cond'b'l'n	c	71	55	0
Marsdens	c	88	64	0
Picton...	c	88	54	0
Sydney ..	g	75	62	0
Wentw'th	c	84	56	0
Young...	c	83	55	0
Woll'g'ng	c	81	54	0
Taralga..	b	81	41	0
Hay.....	b	85	54	0

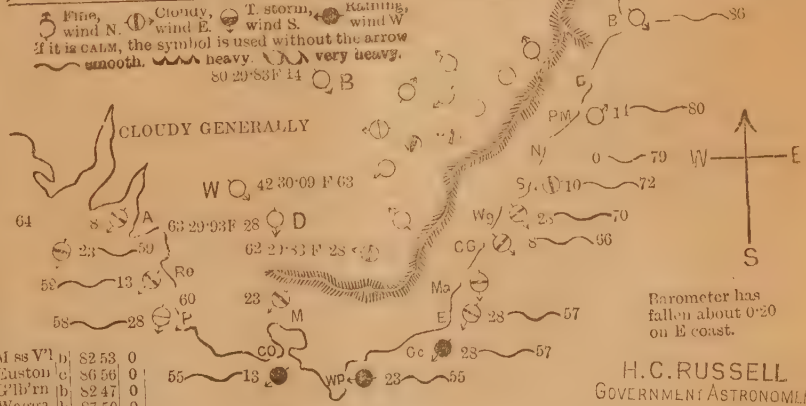
Stations.	wt	M'x	MD	R'in
Qeaunbey'n	c	81	56	0
Deniliquin.	b	85	48	0
Moruya....	u	75	61	0
Kiandra...	c	70	41	0
Albury	c	84	54	0
Bodalla....	g	80	54	0
Cooma	c	82	48	0
Eden.....	u	72	55	0·08



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow

smooth. heavy. very heavy.



M ss V'l	b	82 53	0
Euston	c	86 56	0
G'lb'rn	b	82 47	0
Wagga.	b	87 50	0
C. Geo.	g	72 61	0

Barometer has fallen about 0·20 on E coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. DEC'R 23 1894.

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to November 30 48·129
Total Rainfall from Jan. 1st to December 23 44·040
Barometers corrected to 32° Fah and Mean Sea Level

AS 23 30·10 R 85 *Curve showing state of Barometer.*

	Pt	AY	Ea	CB	A	Re	P	M	WP	Go	E	Ma	Cd	Wg	S	N	PM	C	B	R	CT
·4																					
30 0																					
·8																					
·6																					

Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow
smooth. heavy. very heavy.

Stations.	w't	M'x	Mn	R'in
Queanbey'n	b	78	46	0
Deniliquin	b	78	43	0
Moruya....	c	66	48	0·13
Kiandra...	c	70	30	0
Albury	b	75	49	0
Bodalla....	b	65	39	0·62
Cooma	c	73	38	0·18
Eden.....	u	74	55	0

	b	102	59	0	Lismore..	b	101	66	0
[illegible]rfield	b	90	55	0	Walcha..	b	83	50	0
Clarence.	b	93	67	0	Tamw'rth	o	92	57	0
Moree....	b	96	64	0	Coonab'n	b	88	54	0
Grafton..	b	105	66	0	P.M'cqrie	b	86	62	0
Gl'n Inn's	b	87	48	0	W'lcannia	b	—	—	0
Inverell..	b	88	56	0	M'rr'r'ndi	b	84	56	0
Bourke ..	b	95	60	0	Taree....	g	90	62	0·01
Narrabri	b	102	61	0	Cassilis ..	b	84	58	0
Armidale	b	74	66	0	M'ss'lbr'k	c	96	62	0
B'ndem'r.	b	73	44	0	Dubbo. ..	b	90	50	0
Gunned'h	b	94	62	0	Menindie.	b	79	58	0
C'namble	–	—	—	—	Singleton	b	91	64	0
Lismore..	b	101	66	0	N'ls'n s It	–	—	—	—
Walcha..	b	83	50	0	23 85				
Tamw'rth	b	92	57	0	Mudg	b	84	57	0
Coonab'n	b	88	54	0	Maitland.	c	91	62	0
P.M'cqrie	b	86	62	0	Hill End.	b	—	—	0
W'lcannia	b	—	—	0	N'wcastle	b	81	59	0·08
M'rr'r'ndi	b	84	56	0	Orange ..	b	72	47	0
Taree....	g	90	62	0·01	Bathurst	b	74	45	0
Cassilis ..	b	84	58	0	Forbes...	b	82	48	0
M'ss'lbr'k	c	96	62	0	M.V'ct'ria	b	—	57	0
Dubbo. ..	b	90	50	0	Carcoar..	b	72	56	0
Menindie.	b	79	58	0	Cond'b'l'n	b	61	48	0
Singleton	b	91	64	0	Marsdens	b	71	59	0
N'ls'n s It	–	—	—	—	Picton. ..	b	80	49	0
23 85					Sydney ..	b	78	57	0·02
Mudg	b	84	57	0	Wentw'th	b	80	52	0
Maitland.	c	91	62	0	Young. ..	b	89	47	0
Hill End.	b	—	—	0	Woll'g'ng	b	76	50	0·02
N'wcastle	b	81	59	0·08	Taralga..	b	75	42	0
Orange ..	b	72	47	0	Hay.....	b	81	49	0
Bathurst	b	74	45	0	M ss V'l	c	76	46	0
Forbes...	b	82	48	0	Euston	b	79	48	0
M.V'ct'ria	b	—	57	0	G'lb'rn	b	76	44	0
Carcoar..	b	72	56	0	Wagga.	b	68	45	0
Cond'b'l'n	b	61	48	0	C. Geo.	c	66	47	0
Marsdens	b	71	59	0					
Picton. ..	b	80	49	0					
Sydney ..	b	78	57	0·02					
Wentw'th	b	80	52	0					
Young. ..	b	89	47	0					
Woll'g'ng	b	76	50	0·02					
Taralga..	b	75	42	0					
Hay.....	b	81	49	0					

CLOUDY GENERALLY

W 28 30·19 R 61

61 30·02 R 14 D

63 29·89 R 14

73 29·93 F 28 B

R 75

B 80

C 28 76

PM 28 75

N 8 72

S 20 64

W 42 67

CG 42 60

Ma 42 64

E 42 60

Go 40 54

WP 28 56

CO 57 8

M 18 59

P 58 18

Re 66 13

A 66 0 61

23 60

TIME BALL
Drops at 1 p.m. S MT
r 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

W E S

Barometer has risen about 0·05 on S coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

9 A.M. DEC'R 24 1884

Sydney Observatory.

Lat. 33° 51′ 41″ *S.* ; *Long.* 10*h.* 4*m.* 50·61*s. E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to November 30 48·129
Total Rainfall from Jan. 1st to December 24 44·040
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	wt	M'x.	Mn	R'in
Casino ...	c	97	68	0
T'nt'rfield	c	85	54	0
Clarence.	c	90	65	0
Moree....	b	90	57	0
Grafton..	c	93	65	0
Gl'n Inn's	g	84	56	0
Inverell..	b	85	52	0
Bourke ..	b	92	58	0
Narrabri	b	90	53	0
Armidale	b	72	63	0
B'ndem'r.	b	78	41	0
Gunned'h	p	88	50	0
C'namble	–	—	—	—
Lismore..	b	94	71	0
Walcha ..	c	83	46	0
Tam'w'rth	–	—	—	—
Coonab'n	b	81	38	0
P.M'cqrie	b	77	58	0
W'lcannia	b	—	—	0
M'rr'r'ndi	b	79	61	0
Taree....	c	80	60	0
Cassilis ..	b	77	59	0
M'ss'lbr'k	p	89	55	0
Dubbo...	b	82	48	0
Menindie.	p	81	58	0
Singleton	b	85	61	0
N'ls'n #B	–	—	—	—
28 68				
Mudg	b	85	48	0
Maitland.	b	81	61	0
Hill End.	b	—	—	0
N'wcastle	b	77	59	0·01
Orange ..	c	67	41	0
Bathurst	c	72	43	0
Forbes...	b	80	48	0
M. V'ct'ria	b	—	57	0
Carcoar...	b	70	57	0
Cond'b'l'n	b	69	51	0
Marsdens	b	80	61	0
Picton...	b	77	52	0·02
Sydney ..	c	73	60	0
Wentw'th	b	85	58	0
Young...	b	77	45	0
Woll'g'ng	b	82	64	0
Taralga...	b	79	47	0
Hay	b	80	50	0

Stations.	wt	M'x.	Mn	R'in
Queanbey'n	b	71	59	0
Deniliquin.	b	82	43	0
Moruya....	c	74	48	0
Kiandra...	b	64	32	0
Albury	b	82	49	0
Bodalla....	b	78	41	0
Cooma	c	66	38	0
Eden.....	u	70	54	0·06

AS 8 29·90 F 96 *Curve showing state of Barometer.*

Pt Ay Ea CB A Re P M WP Go E Ma CG Wg S N PM C B R CT

·4 ·2 30·0 ·8 ·6

Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W
If it is CALM, the symbol is used without the arrow
smooth. heavy. very heavy.

76 29·91 F 28 B

FINE GENERALLY

W 1430·39 R54

18 A 65 30·05R 14 D

28 71 66 29·92 R 14 A

68 13 Re 61

59 18 P 8 M

61 8 CO

WP 13 60

Ma 42 65

E 14 62

Go 34 60

R 80

B 79

C 28 73

PM 42 72

N 8 71

S 13 68

W 28 67

CG 56 62

TIME BALL
Drops at 1 p.m. S MT
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

W E S

Barometer has risen about 0·10 on E coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

DEC'R 26 1884.

9 A.M.

Sydney Observatory.

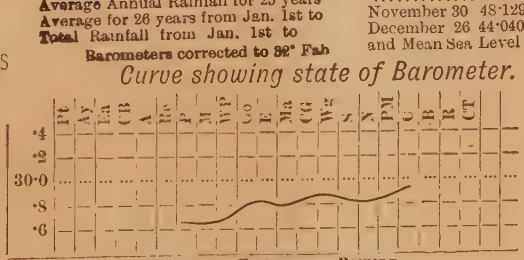
Lat. 33° 51′ 41″ *S.* ; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to November 30 48·129
Total Rainfall from Jan. 1st to December 26 44·040
Barometers corrected to 32° Fah and Mean Sea Level

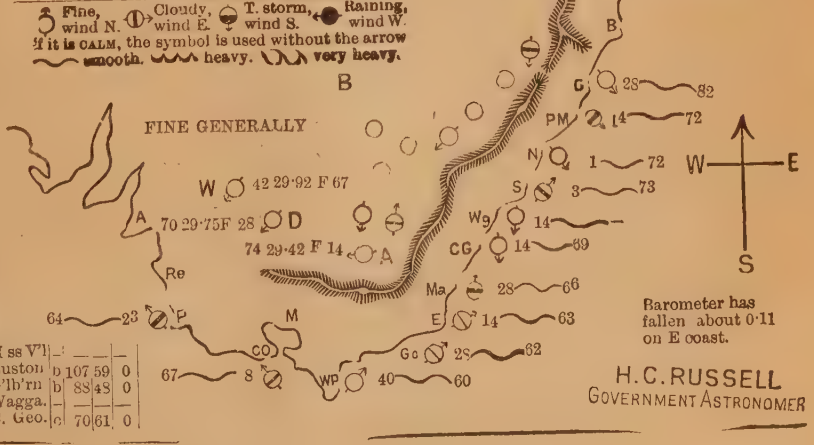
Stations.	wt	M'x	Mn	R'in
Casino ...	g	94	65	0
T'nt'rfield	g	94	55	0
Clarence .	c	82	62	0
Moree....	–	—	—	—
Grafton ..	c	94	63	0
Gl'n Inn's	–	—	—	—
Inverell ..	b	85	54	0
Bourke ..	–	—	—	—
Narrabri	–	—	—	—
Armidale	b	75	64	0
B'ndem'r.	b	87	50	0
Gunned'h	b	90	67	0
C'namble	c	—	—	0
Lismore..	–	—	—	—
Walcha ...	o	80	57	0
Tamw'rth	–	—	—	—
Coonab'n	o	95	46	0
P.M'eq.	c	75	61	0
W'lcannia	–	—	—	—
M'rr'r'ndi	b	85	57	0
Taree....	b	82	59	0
Cassilis ..	b	85	64	0
M'ss'lbr'k	b	91	56	0
Dubbo. ..	–	—	—	—
Menindie.	b	97	66	0
Singleton	o	80	61	0
N'ls'n s B	b	84	57	0
Mudg	b	92	50	0
Maitland.	b	89	59	0
Hill End.	b	—	—	0
N'wcastle	b	75	60	0
Orange ..	b	81	51	0
Bathurst	b	88	48	0
Forbes...	b	83	50	0
M.V'ct'ria	b	—	65	0
Carcoar...	–	—	—	—
Cond'b'l'n	b	82	59	0
Marsdens	b	94	63	0
Picton. ..	u	79	53	0
Sydney ..	u	75	59	0
Wentw'th	b	106	60	0
Young. ..	b	92	51	0
Woll'g'ng	b	78	51	0
Taralga..	b	73	39	0
Hay.....	–	—	—	—
M ss V'l	–	—	—	—
Euston	b	107	59	0
G'lb'rn	b	88	48	0
Wagga.	–	—	—	—
C. Geo.	c	70	61	0

Stations.	w't	M'x.	Mn	R'in
Qeaunbey'n	b	79	50	0
Deniliquin.	b	101	84	0
Moruya....	c	73	65	0
Kiandra...	b	82	35	0
Albury	b	95	51	0
Bodalla....	–	—	—	—
Cooma	c	83	41	0
Eden.....	c	75	58	0

Curve showing state of Barometer.



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow
smooth. heavy. very heavy.



TIME BALL
Drops at 1 p.m. S MT
r 2h.55m.9·19s.a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

Barometer has fallen about 0·11 on E coast.

H.C. RUSSELL
GOVERNMENT ASTRONOMER

METEOROLOGY.

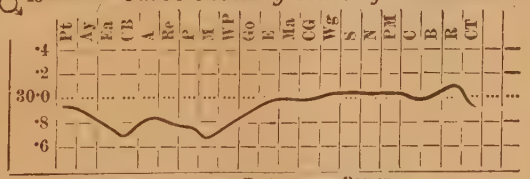
9 A.M. DEC'R 30 1904.

Sydney Observatory.

Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to November 30 48·129
Total Rainfall from Jan. 1st to December 30 44·040
Barometers corrected to 32° Fah and Mean Sea Level

AS 13 29·93 F 90 *Curve showing state of Barometer.*



Fine, wind N. Cloudy, wind E. T. storm, wind S. Raining, wind W
If it is CALM, the symbol is used without the arrow
smooth. heavy. very heavy.

71 30·12 R 0 B

FINE GENERALLY

W 14 30·01 F 77

77 29·98F 14 D

72 29·91 F 0 A

81 S A 23 71 75 13 Re 69 70 0 P 8 M 68 8 CO WP 23 60 Go 23 63 E 14 66 Ma 14 70 CG 14 69 Wg 14 72 S 2 71 N 8 72 PM 14 74 G 14 78 B 83 R 81

TIME BALL
Drops at 1 p.m. S M T
r 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′37″ E.

W E S

Barometer has risen about 0·05 on E coast.

H.C. RUSSELL
GOVERNMENT ASTRONOMER

Stations.	w't	M'x	Mn	R'in
Qeaunbey'n	b	81	53	0
Deniliquin	g	97	58	0
Moruya....	c	75	51	0
Kiandra...	b	80	34	0
Albury	c	91	51	0
Bodalla....	b	76	43	0
Cooma	g	80	40	0
Eden.....	b	78	65	0

Stations.	w't	M'x	Mn	R'in
Casino ...	b	102	63	0
T'ot'rfield	c	91	56	0
Clarence.	b	88	70	0
Moree....	b	97	68	0
Grafton...	o	97	65	0
Gl'n Inn's	c	94	59	0
Inverell..	b	89	64	0
Bourke ..	c	84	49	0
Narrabri	b	99	56	0
Armidale	–	—	—	—
B'ndem'r.	b	94	55	0
Gunned'h	o	96	67	0
C'namble	b	—	—	—
Lismore..	c	97	69	0
Walcha ..	o	84	56	0
Tam'w'rth	–	—	—	—
Coonab'n	b	91	48	0
P.M'cquie	c	84	65	0
W'lcannia	b	—	—	0
M'rr'mdi	b	87	62	0
Taree....	c	85	64	0
Cassilis ..	b	84	64	0
M'ss'lbr'k	b	96	62	0
Dubbo. ..	b	94	59	0
Menindie.	g	92	72	0
Singleton	b	90	67	0
N'ls'n s B	c	86	60	0
18 71 Mudg	b	92	54	0
Maitland.	b	86	64	0
Hill End.	b	—	—	0
N'wcastle	b	76	64	0
Orange ..	c	77	49	0
Bathurst	–	—	—	—
Forbes...	b	85	58	0
M.V'ct'ria	b	–	67	0
Carcoar..	b	77	56	0
Cond'b'l'n	b	78	55	0
Marsdens	b	90	62	0
Picton...	b	80	54	0
Sydney ..	b	84	62	0
Wentw'th	g	101	48	0
Young....	c	93	54	0
Woll'g'ng	b	77	63	0
Taralga..	b	88	47	0
Hay	u	93	53	0
M ss V'l	b	76	50	0
Euston	u	101	71	0
G'lb'rn	b	89	47	0
Wagga.	u	87	52	0
C. Geo.	b	74	56	0

METEOROLOGY.

9 A.M. DEC'R 31 1884

Sydney Observatory.

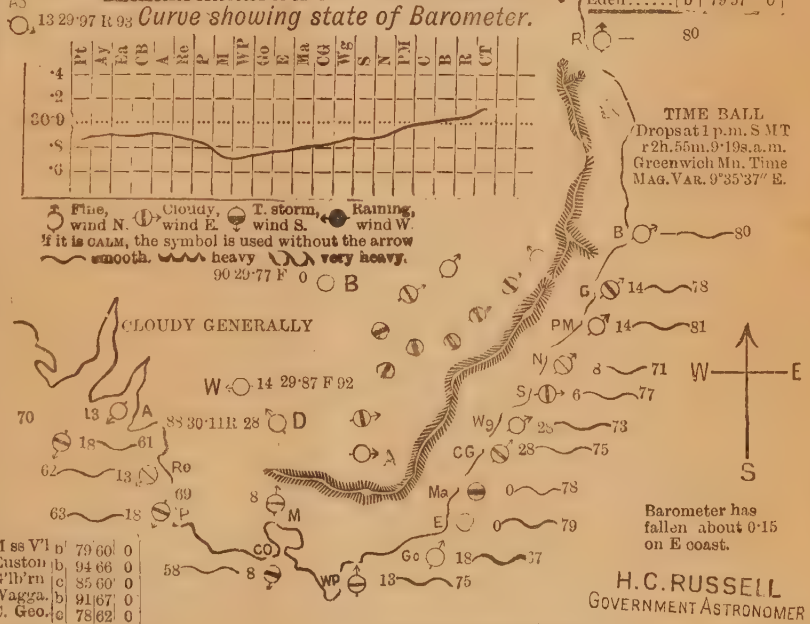
Lat. 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 25 years .....50·491
Average for 26 years from Jan. 1st to November 30 48·129
Total Rainfall from Jan. 1st to December 31 44·040
Barometers corrected to 32° Fah and Mean Sea Level

Stations.	Wt	M'x	Mn	R in
Qeaunbey'n	b	83	65	0
Deniliquin.	b	106	60	0
Moruya....	c	81	59	0
Kiandra...	b	84	47	0
Albury	b	88	66	0
Bodalla....	b	77	49	0
Cooma	u	80	57	0
Eden.....	b	79	57	0

Stations.	Wt	M'x	Mn	R in
Casino ...	c	88	68	0
T'nt'rfield	c	94	63	0
Clarence.	g	90	70	0
Moree....	b	99	74	0
Grafton..	c	95	63	0
Gl'n Inn's	–	—	—	—
Inverell..	o	88	68	0
Bourke ..	c	114	76	0
Narrabri	g	96	55	0
Armidale	b	79	69	0
B'ndem'r.	u	74	50	0
Gunned'h	c	97	74	0
C'namble	u	—	—	0
Lismore..	c	97	69	0
Walcha..	c	84	60	0
Tamw'rth	c	95	70	0
Coonab'n	g	97	64	0
P.M'cqrie	b	87	67	0
W'icannia	c	—	—	0
M'rr'r'ndi	b	86	68	0
Taree....	g	82	65	0
Cassilis ..	g	87	70	0
M'ss'lbr'k	g	97	65	0
Dubbo. ..	o	100	71	0
Menindie.	b	97	72	0
Singleton	b	89	70	0
N'ls'n sB	c	78	60	0
8 71				
Mudg	b	93	61	0
Maitland.	g	87	68	0
Hill End.	g	—	—	0
N'wcastle	g	76	66	0
Orange ..	g	84	61	0
Bathurst	c	88	61	0
Forbes...	g	87	57	0
M.V'ct'ria	b	—	70	0
Carcoar..	g	80	66	0
Cond'b'l'n	g	80	66	0
Marsdens	c	90	72	0
Picton. ..	c	86	62	0
Sydney ..	c	79	66	0
Wentw'th	b	92	69	0
Young. ..	g	93	56	0
Woll'g'ng	c	82	67	0
Taralga..	b	96	48	0
Hay.....	b	92	55	0

M ss V'l	b	79	60	0
Euston	b	94	66	0
G'lb'rn	c	85	60	0
Wagga.	b	91	67	0
C. Geo.	c	78	62	0



Barometer has fallen about 0·15 on E coast.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

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